

Oleksandr Masalov

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📅 Schedule a quick sync - <https://calendar.app.google/8FA3Lsj23Jh9XL1o8>

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🐙 GitHub: <https://github.com/zonder>

Solutions Architect / Lead Software Engineer

Professional Profile

Solutions Architect and Lead Software Engineer with over 15 years of industry experience. Proficient in both Microsoft and MEAN Stacks with front-end expertise in Angular and React. Has excellent communication skills, strong problem-solving, and time-management skills, customer-facing, goal-oriented, perfect team player, and self-motivator. Strong strategic thinker with an ability to communicate your vision.

Technical Skills

Programming languages	C#, JavaScript, TypeScript, Python
Frameworks & Libraries	.NET Core, .NET (ASP.NET, VB.NET, MVC/Web Api), Node.js, Flask, React, Angular
Additional technologies	ElasticSearch, RabbitMQ, Docker, Webpack, Liferay, Web Api OData, WCF, Web Services, IIS, JQuery, HTML, CSS, Ajax, LINQ, XML, Design Patterns, OOP/OOD, SOLID, UML, Agile Development, Semantic Kernel
Cloud	AWS (RDS, SQS, SNS, CloudWatch, IAM, Amplify), Azure (AKS, Blob Storage, RDS, EventBrokers), Kubernetes, Serverless services (Lambda, Azure Functions)
Databases	PostgreSQL, MS SQL 2008+, MySQL, MongoDB, ORMs(Entity Framework, Linq2Sql, Nhibernate, Mongoose), FlureeDb(blockchain database)
Monitoring & Logging	Sumologic, Raygun, Cloudwatch, Applnsight, Splunk etc.
Software Tools	Microsoft Visual Studio / Vs Code, Atlassian stack (Bitbucket, Bamboo, Jira), CI (TeamCity), VCS (TFS, SVN, Git), Unit Testing (MSTest, NUnit, Moq), OpenXML SDK
Other interests	AI, Algorithms, Machine learning, Security

Business domains

E-commerce, Healthcare, Fintech, EdTech, InsurTech, Gamedev, FoodTech

Key achievements

- **CloverCollab(aka Ledgerset)**. Constructed and designed a project from the ground up with hiring resources, successfully navigating it to the investment stage. The project continues to grow and improve.
- **GlobalPayments**. Successfully expanded the development team two-fold, enhancing project capabilities and productivity. Fostered strong client relationships, achieved an exclusive remote teamwork scope, and earned the distinction of being the first contracted engineer entrusted with system design duties. Additionally, supervised a subsidiary team from Argentina on a subproject execution.

- **Kitrum.** Initiated over 10 projects within the company, from conducting pre-sales activities and designing software architecture to assembling the team and transitioning the project over to them, while providing ongoing support and guidance.
- **Namecheap.** Played a crucial role in modernizing the e-commerce platform by re-engineering core systems such as the shopping cart and order functionalities into microservices. Pioneered a unified payment module, centralizing transactions across all company products, which significantly streamlined support team operations. Additionally, made significant strides in the development of a common platform for microservice infrastructure shared across teams.
- **Plarium.** Spearheaded the successful transformation of an underperforming project into a central business venture, while simultaneously growing the development team from four to 15 members. Engineered a transition from a static website to a dynamic platform with a custom CMS and isomorphic engine, subsequently becoming the standard for all the company's web projects.

Work Experience

CloverCollab: Supply Chain Management Platform

Position: Director of Engineering / Solutions Architect

Duration: October 2022 - Present

Industry: CRM

About the Project:

CloverCollab is an AI-driven platform that revolutionizes supplier collaboration by consolidating supply chain data and processes into a single, user-friendly system. This breakthrough system is changing the way businesses interact with their suppliers by streamlining onboarding, minimizing duplicated requests, and offering instantaneous access to resources and training.

Core Features:

1. **AI Support:** Uses AI for email summarization, status updates, and information gap identification.
2. **Integrations:** Seamlessly syncs with other data systems and communication platforms.
3. **Customizability:** Allows the creation of bespoke processes for task management.
4. **Advanced Analytics:** Delivers insightful data to comprehend supplier relationships better.

Achievements:

- Constructed the foundational system architecture and cloud infrastructure.
- Established strong relationships with the client.
- Successfully assembled and hired the project team.
- Helped in attracting investment.

Key Contribution:

- Led the development of robust, scalable, and reliable software applications with microservices architecture.

- Successfully architected and implemented solutions for high-availability systems, including an authentication service and workflows engine.
- Conducted code reviews to ensure quality and standard compliance.
- Build cloud infrastructure for microservice architecture.
- Build disaster recovery strategy and implement system alerting and incident management processes.
- Facilitated effective cross-team communication.
- Diagnosed and rectified production application issues.

Tech Stack:

.NET 7, Azure Cloud (AKS, Service Bus, Azure SQL, OpenAi Services, Blob Storage), Docker, Semantic Kernel, Azure DevOps

Integrations:

Nylas, GetStream, Stripe, SmartyStreets, Twillo, Sendgrid, FlureeDb

RTIConnect: Empowering Restaurants through Data

Position: Team Lead / Architect

Duration: August 2021 - October 2022

Industry: FoodTech

About the Project:

RTI Back Office is a browser-based platform enabling comprehensive control over restaurant data including inventory, sales, and labor information. Accessible across devices, it offers powerful data analysis for single or franchised restaurant operations. This platform helps users identify and rectify inefficiencies, detect causes of high wastage, and optimize food cost percentages and yields.

Core Features:

1. **Mobile Access:** Available on various devices for remote data management.
2. **Reporting Suite:** Provides in-depth reports to help users analyze and improve efficiency.
3. **Variiances Diagnosis:** Highlights discrepancies between ideal and actual food usage, helping to reduce waste.

Achievements:

- Successfully doubled the size of the development team, improving productivity and project capabilities.
- Enhanced client relationships, resulting in an isolated work scope for the remote team.
- First contractor engineer entrusted with system design responsibilities.

Key Contributions:

- Led the development of robust, reliable software applications for high-availability systems.

- Ensured code quality through rigorous review and adherence to standards.
- Facilitated cross-team communication and mentored the remote team from Argentina.
- Onboarded new developers from Ukraine and Europe.

Tech Stack:

.NET 5, AWS, Docker, Octopus, MS SQL Server, microservices architecture

Aventbeck: Tailoring E-commerce to a Niche Audience

Position: Solutions Architect

Duration: May 2021 - August 2021

Industry: E-commerce

About the Project:

A leading Swiss media group set out to create a unique e-commerce platform tailored to the audience of their existing products. The goal was to develop an alternative to Shopify, leveraging its standing in media and entertainment since its inception in 1833.

Achievements:

- Formulated and implemented the solution design, laying the groundwork for the project's core architecture.
- Assembled and spearheaded the initial development team, guiding the project execution in line with my design principles.

Key Contributions:

- Collaborated with Project Managers and Business Analysts to devise a high-level project schedule and resource plans.
- Formulated and enforced environment/release management and development best practices.
- Conducted design reviews to ensure implementation aligned with architectural plans and roadmaps.

Tech Stack:

Node.js, JavaScript (ES6), React, Azure (AppService, Blob storage, EventHub), Docker, Azure DevOps, MS SQL Server

Lulalend

Position: Solutions Architect

Duration: January 2021 - June 2021

Industry: FinTech

About the Project:

The client, a reputable online lending company from the UK, specializes in providing quick and straightforward working capital funding to small businesses in South Africa. The project's main objective was to develop a comprehensive bank accounting platform for SMEs. This platform was designed to help businesses manage their bank accounts, scrutinize their expenses, generate and share invoices, obtain funding, and much more. An integral part of this endeavor was to create a web and mobile banking platform for issuing credit accounts.

Achievements:

- Constructed the foundational system architecture of the project.
- Established strong rapport with the client.
- Successfully assembled and hired the project team.

Key Contributions:

- Worked with Project Managers and Business Analysts to create a high-level project schedule and resource plans for implementation projects.
- Developed, documented, communicated, and enforced environment/release management using Azure DevOps, configuration, and development best practices.
- Performed design reviews to ensure that the implementation aligns with architectural plans and roadmaps.

Tech Stack:

.NET 5, JavaScript (ES6), React, Azure (AppService, Blob storage, EventHub), Docker, Azure DevOps, MS SQL Server

Mediainteractiva: Redefining Digital Learning

Position: Team Lead / Solutions Architect

Duration: May 2020 - January 2021

Industry: EdTech

About the Project:

Media Interactiva, a leading Spanish edtech company, embarked on a mission to create innovative digital learning solutions tailored to its global clientele. The project aimed to develop a powerful alternative to conventional educational models, capitalizing on its proficiency in interactive media and technology since its foundation. With a clear focus on certification pathways and personalized e-learning solutions, the company carved a unique niche in the ever-evolving educational landscape.

Achievements:

- Spearheaded and facilitated the expansion of the vendor-side team.

Key Contributions:

- Architected and developed solutions for highly scalable, highly available systems.
- Led a distributed team of 7 development team members, conducted feedback meetings, and established plans and goals with subordinates.

Tech Stack:

.Net Core, JavaScript (ES6), Azure (VMs, Blob Storage), Docker, VisionOne, MS SQL Server, MongoDB

Ledgerset: Streamlining Vendor-Buyer Interactions

Position: Team Lead / Solutions Architect

Duration: March 2019 - June 2021

Industry: CRM

About the Project:

The project aimed to develop a robust application for buyers at large retail companies to manage information pertaining to their vendor relationships. The preservation of detailed records about each vendor interaction is crucial for both internal audit purposes and regulatory/legal authorities. The Ledgerset platform aimed to streamline and simplify this complex information management task, ensuring transparency and accessibility for all parties involved.

Achievements:

- Constructed the foundational system architecture of the project.
- Established strong rapport with the client.
- Successfully assembled and hired the project team.
- Helped in attracting investment.

Key Contributions:

- Architected and developed solutions for highly scalable, highly available systems.
- Worked with Project Managers/Business Analysts to develop a high-level project schedule and resource plans for implementation projects.
- Developed, documented, communicated, and enforced environment/release management using Azure DevOps, configuration, and development best practices.
- Performed design reviews to make sure that the implementation aligns with architectural plans and roadmaps.

Tech Stack:

.Net Core 3, JavaScript (ES6), Angular, Azure (AKS, Blob storage), Kubernetes, Postgres, FlureeDb, Docker, Azure DevOps

RealAutomators: Automating Complex Content Generation

Position: Team Lead / Solutions Architect

Duration: December 2018 - January 2020

Industry: Business Process Automation

About the Project:

The aim of this project was to develop a web application that empowers content experts to encode their knowledge into an easily reusable application. It was designed specifically for professionals who understand how to generate complex types of content or communication but don't have expertise in programming or application development. The application was designed to intelligently gather data from non-technical users and automate its use in generating documents for business purposes. A key tenet of the design was to ensure maximum interoperability with other applications and services.

Achievements:

- Constructed the foundational system architecture of the project.
- Established strong rapport with the client.
- Successfully assembled and hired the project team.

Key Contributions:

- Worked with Project Managers and Business Analysts to develop high-level project schedule and resource plans for implementation projects.
- Developed, documented, communicated, and enforced environment/release management, configuration, and development best practices.
- Performed design reviews to ensure the implementation aligns with architectural plans and roadmaps.

Tech Stack:

Node.js, JavaScript (ES6+), React, AWS (S3), MongoDB, Docker

E-Builder: Streamlining Administrative Processes

Position: Team Lead

Duration: November 2018 - March 2019

Industry: Business Process Automation

About the Project:

The client is a leading global company specializing in optimizing and automating administrative processes for corporations and public sector agencies through IT-based business process outsourcing. The project revolved around e-Builder Inc., a provider of web-based capital program and project management software. This software is used by facility owner/operators, as well as architecture, engineering, and construction companies. The service model for the software is Software as a Service (SaaS).

Achievements:

- Spearheaded and facilitated the expansion of the vendor-side team.

Key Contributions:

- Developed high-quality, high-performance, and reliable software applications.
- Conducted code reviews to ensure adherence to quality standards and to identify potential weaknesses.
- Fostered cross-team communication to ensure smooth project progression.
- Managed a remote team of 10 members, ensuring efficient and productive operations.

Tech Stack:

.Net, Node.js, JavaScript (ES6+), ReactJS, AWS, Git, MS SQL Management Studio, MongoDB, Docker

Namecheap: Implementing a Robust Payment System

Position: Tech Lead

Duration: June 2017 - December 2018

Industry: E-commerce

About the Project:

Namecheap is a leading ICANN-accredited domain name registrar and web hosting company known for offering domain names at some of the industry's best prices. In addition to full-featured hosting packages, they provide secure SSL certificates, WhoisGuard privacy protection service, and more. The project at hand revolved around implementing a robust and secure payment system.

Core Features:

- Modules for shopping cart management and order processing.
- Payment gateway.
- Robust microservice infrastructure.

Achievements:

- Successfully reconstructed the e-commerce platform's vital systems - shopping cart and order functionalities, transforming them into microservices.
- Developed a centralized payment module that served as a unified gateway across all company products, providing a one-stop solution for the support team to oversee and manage all transactions.
- Significantly contributed to the creation of a unified platform for microservice infrastructure.

Key Contributions:

- Developed high-quality, high-performance, and highly reliable software applications.
- Reviewed code to ensure quality, identified weaknesses, and ensured adherence to standards.
- Mentored less experienced software engineers, providing advice and guidance.
- Led a team of 5 development team members, including conducting feedback meetings and setting goals.
- Designed analytics and reporting systems for enhanced insights.
- Configured Continuous Integration/Continuous Deployment (CI/CD) using TeamCity and Bamboo.

- Fostered cross-team communication to streamline operations.
- Collaborated effectively with a 10-member software team.

Tech Stack:

ASP.NET Web Api, C#, JavaScript (ES6), Reactjs (MobX), AWS, Visual Studio 2017, ReSharper, Git, MS SQL Management Studio, RabbitMQ, Docker

Plarium: Content Management System and Browser Games Portal

Position: Web Development Team Lead

Duration: July 2015 - June 2017

Industry: Gamedev

About the Project:

Plarium is a renowned name in the online gaming industry. Their project revolved around creating a web portal for hosting browser games, with aspirations of evolving into a social network for gamers. Additionally, the platform serves as an integration point for external development companies to include their games.

Core Features:

- Comprehensive Content Management System
- Isomorphic Engine with Pre-rendered Static Pages
- Seamless Single Page Application
- Desktop Application Developed Using the Ionic Framework

Achievements:

- Transformed a previously unproductive project into a central business initiative within the company.
- Expanded the development team, nurturing growth from an initial four members to a robust team of 15.
- Revitalized a static website for browser games into a dynamic platform, equipped with a custom Content Management System (CMS) and an isomorphic engine with pre-rendered static pages.
- The newly developed engine subsequently became the foundation for all web-based projects within the company.

Key Contributions:

- Developed high-quality, high-performance, and highly reliable software applications.
- Reviewed code for quality, identified weaknesses, and ensured adherence to standards.
- Served as a mentor to less experienced software engineers, providing advice and guidance.
- Led a team of 15 development team members, conducting one-on-one meetings, creating plans, and setting goals.
- Designed and implemented a cross-browser client SDK and API for 3rd party games integration.
- Developed an in-house CMS and banner subsystem similar to Google Adwords.

- Designed an isomorphic engine for enhanced performance and compatibility.
- Developed analytics and reporting systems for comprehensive data analysis and insights.
- Configured Continuous Integration/Continuous Deployment (CI/CD) using TeamCity and Bamboo.
- Fostered cross-team communication to facilitate smooth operations.
- Collaborated effectively with a 14-member software team.

Tech Stack:

ASP.NET, C#, JavaScript (ES6), Reactjs (Flux, Redux), Visual Studio 2012/2013, ReSharper, Git, MS SQL Management Studio, ElasticSearch, RabbitMQ

Plarium: Marketing Business Intelligence

Position: Senior Software Engineer

Duration: March 2014 - July 2015

Industry: Gamedev

About the Project:

In the realm of business, marketing plays a pivotal role in shaping success. In this regard, Plarium aimed to create proprietary web tools designed to help marketers analyze advertisement campaigns. The main objective was to integrate and streamline the marketing processes to ensure efficient and effective campaigning.

Core Features:

- Comprehensive tool for executing marketing email campaigns.
- Automated integration capabilities with marketing platforms for seamless asset publishing and campaign roll-out.

Achievements:

- Built tools for processing marketing mailing campaigns and the core architecture of the module for integration with mobile and web marketing platforms.

Key Contributions:

- Developed high-quality, high-performance, and highly reliable software applications.
- Created features that work across multiple software applications, systems, and portals.
- Implemented specialized tools for the marketing team to streamline campaign analysis.
- Integrated with various advertisement partners including Google, Facebook, and Mailru, among others.
- Designed and implemented high-load service for collecting and managing statistics.
- Implemented a mass mailing subsystem for efficient communication and marketing.
- Designed and implemented different parts of the project architecture to ensure optimal performance.
- Configured continuous integration to facilitate a more streamlined development process.

- Collaborated effectively with a 17-member distributed software team.

Tech Stack:

ASP.NET MVC/Web Api, C#, Visual Studio 2012/2013, SVN, ReSharper, MS SQL Management Studio

EPAM: Cap - Insurance Data Management

Position: Senior Software Engineer

Duration: February 2012 - March 2014

Industry: Insurance

About the Project:

The project revolved around the creation of a web application designed to manage insurance data, facilitating seamless information exchange between hospitals and insurance companies. This bridged the communication gap and streamlined operations within the health insurance sector.

Key Contributions:

- Developed high-quality, high-performance, and highly reliable software applications for efficient data management.
- Served as a mentor to less experienced software engineers, guiding them through the development process.
- Conducted demo sessions with customers to gather feedback and ensure the product met expectations.
- Designed and implemented different parts of the project architecture, enabling seamless data management and information exchange.
- Configured continuous integration for efficient and reliable software development.
- Collaborated effectively with an 18-member distributed software team, ensuring smooth operation and coordination.

Tech Stack:

ASP.NET MVC, ASP.NET Web API, OData, C#, NHibernate, OpenSocial, Visual Studio 2010 / 2012, TFS, ReSharper, NHibernate Profiler, Liferay

GlobalLogic: PCAD - Automating Business Processes

Position: Senior Software Engineer

Duration: December 2011 - December 2012

Industry: IT Services and Consulting

About the Project:

With specifics under NDA, the project aimed to develop a web application for users to automate their internal business processes, making operations more efficient and effective.

Key Contributions:

- Conducted requirements analysis to gather specifications for the project.
- Engaged in direct customer communication to ensure that the developed solution met the client's needs.
- Designed and implemented various parts of the project architecture.
- Executed front-end and back-end development tasks.
- Estimated project timelines and coordinated task distribution among team members.
- Mentored team members and conducted code reviews to ensure software quality.
- Led a 7-member software team, ensuring smooth operation and efficient task execution.

Tech Stack:

C#, .Net 4, ASP.NET MVC 3, WCF, LINQ, Sharepoint 2010, Nintex, Workflows, Automapper, Knockoutjs, FluentValidator, Unity, NUnit, Microsoft VS .NET 2010, Team Foundation Server, TFS Team Suite.

GlobalLogic: FDN - Firmware Distribution Network

Position: Software Engineer

Duration: April 2011 - December 2011

Industry: Healthcare

About the Project:

Under NDA, this project sought to re-architect and create a new web application for firmware distribution across various devices.

Key Contributions:

- Designed the project architecture for optimal performance and usability.
- Developed high-quality, high-performance, and highly reliable software applications. Implemented WCF services for optimal communication and data transfer.
- Communicated with customers to gather feedback and requirements.
- Conducted code reviews to ensure software quality.
- Collaborated with a 15-member software team, ensuring smooth operation and efficient task execution.

Tech Stack:

.Net 4, C#, ASP.NET.MVC 3, jQuery, Entity Framework 4.1, WCF, LINQ, Unity 2.0, Rhino.Mocks, Microsoft VS 2008, MS SQL Server 2005, Team Foundation Server, IIS.

GlobalLogic: Domain Interface - Central Repository for Customer Information

Position: Software Engineer

Duration: May 2009 - April 2011

Industry: Healthcare

About the Project:

This system was designed to organize and archive data for various devices across manufacturers, serving as a central repository for customers' information. It served as a gateway for data flow from devices and remote monitoring systems to a customer's local system.

Key Contributions:

- Created and analyzed requirements for the project.
- Communicated with customers to gather feedback and ensure the developed solution met their needs.
- Developed web services for optimal communication and data transfer.
- Created DevExpress Reports and UI for efficient data visualization.
- Developed a synchronization subsystem to ensure data consistency.
- Conducted code reviews to ensure software quality.
- Participated in preparing and conducting .NET trainings.
- Collaborated with a 26-member software team, ensuring smooth operation and efficient task execution.

Tech Stack:

.Net 3.5, C#, WCF, CSLA.NET, DevExpress, MS SQL 2005, ADO.Net, LINQ, NUnit, Rhino.Mocks, Microsoft VS 2008, MS SQL Server 2005, Team Foundation Server, IIS.

Education

September 2005 - June 2011

Kharkiv National University "Kharkiv Polytechnic Institute"

Master's degree in Computer Sciences

Certificates

- MCTS (Exams: 070-315)
- Kanban System Design - KMP Foundation I
- <http://edu.leankanban.com/user/14900/2258/13/certificate>

Training courses

March 2016

Kanban System Design - KMP Foundation I

Provider: SCRUMguides

March 2010

Agile software development with SCRUM

Provider: Robin Dymond

SCRUM base principles. Applying SCRUM in real-life projects.

Languages

English - Advanced

Spanish - Beginner

Russian - Native

Ukrainian - Native