



Dmitry S.

Senior Solutions Architect



Professional summary

Senior Solutions Architect with over 15+ years of experience in IT field. Has extensive experience in building desktop and web applications based on a wide range of .NET technologies. Boasts experience in project management/building project infrastructure from scratch/fine-tuning processes. A good communicator with a decent command of English and German. Able to build out-of-the-box solutions using non-standard architectural approaches. Creative, quick-witted, flexible, cooperative and fast learning person.

Education

National Technical University «Kharkov Polytechnic Institute». Qualification awarded: Master's Degree in Applied Mathematics.

Industries

FinTech, Enterprise, Technology, Property, Information Services, Sales & Marketing

Technologies and tools

- C#, Java, Python, JavaScript, TypeScript
- .NET
- ASP.NET Core WebAPI, ASP.NET Web Forms, ASP.NET MVC, ADO.NET, EF Core, WPF, WCF, NHibernate, SignalR, Unity, NLog, Spring (Boot), gRPC, Angular, jQuery
- MariaDB, MongoDB, MS SQL Server, MySQL, Oracle
- Kubernetes, Docker, Jenkins, RabbitMQ, Puppet, Ceph, Telerik
- AWS, Microsoft Azure
- Selenium, xUnit, MS Unit, Moq
- Git, GitHub
- Maven

PROJECTS

Bebawa

Duration: 03.2021 – till now

An electronic money institution focused on providing business accounts. It offers services (e-money, transfer of funds, payment processing) to European companies whose clients include pension funds, e-commerce shops, tax advisors or business consultants with customers with specific business needs.

Team

9 specialists

Position

Senior Solutions Architect

Responsibilities

- Gathering technical requirements
- Technical project management and leadership
- Setting up development processes and helping DevOps, QAs and developers
- Developing and refining the architecture
- Communicating with Customers and planning releases
- Creating technical and process documentation
- Mentoring developers, QAs and Systems Analyst
- Conducting code review and providing team support
- Reviewing test cases and supporting QAs
- Participating in project planning

Technologies and tools

- Java, Spring (Boot), gRPC, MariaDB, MongoDB, Kubernetes, Docker, REST, Microservices, Microsoft Azure, Azure KeyVault, Azure Monitor, Container Registry, Maven

Claim Logic Plus

Duration: 05.2020 – 02.2021

An end-to-end claims lifecycle management system (insurance domain), built with the vision of providing a single platform that connects all parties involved in resolving a claim. The system boasts the following modules/features: internal claims lodgment, claim reports, claim management, triage and live collaboration, assessment, emergency assistance, supplier allocation, reserve management, internal and external notes, document management, photo library, claim logs, task management.

Team

15 specialists

Position

Senior Solutions Architect

Responsibilities

- Communicated with stakeholders
- Gathered business requirements and converted them into technical ones
- Analyzed the existing architecture and designed new key areas
- Created a roadmap for splitting the system into microservices and performed a gradual migration to the new system
- Coded the most challenging pieces of architecture/created frameworks for developers
- Supported the development team throughout the whole development lifecycle, replying to technical and architectural questions, consultancy
- Helped the DevOps team architect/improve the existing AWS infrastructure for CLP
- Helped with some CI processes/tools
- Interviewed developers and QAs

Technologies and tools

- C#, .NET Framework, .NET Core, ASP.NET Core WebAPI, JavaScript, TypeScript, Angular, MS SQL Server, MongoDB, Jenkins, Docker, AWS Services (EC2, EKS, ECS, EC2, API Gateway, Lambdas), Git

Online casino

Duration: 03.2019 – 05.2020

The project represents a powerful casino transaction management system (deposit & withdrawal) enabling the user to manage transactions in a wide variety of states. The system is comprised of a number of modules/subsystems (like Transaction Management Website, Auto Login System based on a Chrome extension, Top-up bots, User And Agent Management Website, Permission Management, Analytics, etc.).

Team

8 specialists

Position

Senior Solutions Architect / Development Manager

Responsibilities

- Designed key architectural blocks
- Wrote a good deal of code
- Managed CI/CD and Azure Infrastructure
- Managed the project
- Carried out fine tuning of project processes
- Managed a team of 5+ developers
- Gathered requirements
- Wrote business, process and technical documentation
- Communicated with the Product Owner
- Interviewed people

Technologies and tools

- C#, .NET Framework, .NET Core, ASP.NET Core WebAPI, EF Core, ADO.NET, ASP.NET Core Web API, SignalR, Chromium Embedded Framework, JavaScript, Angular, jQuery, MS SQL Server, SQL, LINQ, Chrome API, Microsoft Azure, Selenium

Identity Armor

Duration: 12.2017 – 02.2019

The project represents a contemporary desktop identity theft prevention and antivirus/anti-malware solution for Windows that protects from hackers, data breaches, and rogue employees. Apart from that, it ensures that no one will be able to open a new credit card, take out a new mortgage or even secure a new loan while you're protected by IDENTITY ARMOR's exclusive Sentry Program.

Team

10 specialists

Position

Senior Solutions Architect / Development Manager

Responsibilities

- Designed key architectural blocks
- Implemented some challenging areas of the code
- Managed the project
- Carried out fine tuning of project processes
- Managed a team of 7+ developers
- Communicated with the Product Owner
- Communicated with other teams
- Gathered requirements, analyzed, communicated goals to the team
- Communicated with our AVIRA partners on both technical and business matters

Technologies and tools

- C#, .NET Framework, .NET Core, ASP.NET Core WebAPI, EF Core, WPF, WCF, Unity, Nlog, JavaScript, Angular, xUnit, Moq, AVIRA SAVAPI

Defender Pro For Windows

Duration: 08.2015 – 11.2017

The project represents a contemporary desktop antivirus solution for Windows that enables the user to scan the computer for viruses in different modes (quick scan, full scan, advanced scan). Also, the product has an integrated active protection component that detects viruses in real-time and reports them to the user and quarantines them.

Apart from the capabilities above, the solution boasts an integrated firewall and a number of configurable settings (via the UI) that affect the system behavior (UAC, system updates, etc.). Scheduled scans are possible. Also, the application is capable of pulling both application and definitions updates from the update server. It also leverages RESTful APIs for determining whether it is licensed, for activating the license, etc.

Team

10 specialists

Position

Senior Solutions Architect / Development Manager

Responsibilities

- Communicated with stakeholders
- Collected business requirements and converted them into technical ones
- Drafted technical specifications
- Came up with architectural solutions that meet stakeholder requirements
- Wrote the most challenging areas of the code
- Mentored and oversaw a team of 7 developers, 3 QAs, 1 designer, provided consultancy, answered technical questions
- Managed the project/people, fine-tuned the process (Scrumban)
- Analyzed and tested external antivirus libraries and selected vendors (like AVIRA), communicated with their representatives, and discussed architectural points
- Conducted technical interviews (mostly interviewed developers)
- Helped the development team troubleshoot the most critical issues

Technologies and tools

- C#, .NET Framework, .NET Core, ASP.NET Core WebAPI, WPF, WCF, Unity, NLog, MS Unit, Moq, AVIRA SAVAPI

Mirantis OpenStack (MOS)

Duration: 08.2013 – 07.2015

OpenStack is a platform for hosting infrastructure-as-a-service (IaaS) on bare-metal servers. It brings together the principal components a data center requires to deploy a private or hybrid cloud, including compute capability, networking (through OpenStack Neutron), and storage capacity, spanning multiple x86 servers across locales. The objective of OpenStack is to establish a baseline set of open source services that participating vendors, including Mirantis, agree to deliver in a non-proprietary fashion. This way, customers avoid getting locked into a single vendor's system of tools and services.

Mirantis OpenStack (MOS) offers customers OpenStack along with services over-and-above OpenStack that distinguish the company without creating vendor lock-in.

Team

22 specialists

Position

Solutions Architect / Development Manager

Responsibilities

- Communicated with stakeholders
- Collected business requirements and converted them into technical ones
- Attended OpenStack seminars and understood the most important features of OpenStack to be merged into MOS
- Communicated with PTLs and Cores (key people) from the OpenStack community
- Architected key blocks of the system (together with the team)
- Conducted peer reviews (together with team leads)
- Managed the team and rendered various technical and architectural assistance (throughout the entire lifecycle)
- Participated in tech interviews
- Analyzed the existing cloud platforms and providers (IaaS solutions) and figured out key features, helped our product team/stakeholders to map out product roadmaps
- Worked with Stackalytics/analyzed developers' KPIs

Technologies and tools

- Python Technology Stack, MongoDB, MySQL, Puppet, Ceph, RabbitMQ, Neutron Distributed Virtual Router (DVR)

Ascendix

Duration: 04.2013 – 08.2013

The system represents a customization of MS Dynamics CRM for real estate needs. It has got a wide variety of real estate-specific entities (such as Lease, Property, Floor etc.), boasts an implementation of real estate specific algorithms enabling the user to rent/lease properties in various ways.

Team

4 specialists

Position

Senior .NET developer

Responsibilities

- Communicated with the Customer
- Analyzed and gathered requirements
- Designed new features and implemented them
- Resolved functionality issues
- Managed a team of 3 developers
- Wrote documentation
- Participated in a data transfer subproject (MS SQL Server Integration Services)

Technologies and tools

- C#, .NET Framework, ASP.NET Web Forms, JavaScript, jQuery, MS SQL Server, MS SQL Server Integration Services

Metanga

Duration: 01.2012 – 03.2013

A multi-tenant SaaS billing solution designed to help ISVs monetize today's customer and partner relationships as they move to a SaaS model. It's a powerful ASP.NET website running under Azure that enables a wide range of Internet providers, telecom and other companies to charge their customers for services provided. Metanga offers two models of charging customers: time-based model and usage-based model (although sometimes they are used in combination). A Metanga customer is able to create end-user packages based on a wide variety of product models, enroll new customers, and send out invoices to them at the end of a billing period, which is also done automatically depending on the settings. Customers also have the ability to enroll by themselves and fine-tune their settings using a number of customer care portals.

Team

6 specialists

Position

Senior .NET developer

Responsibilities

- Introduced SCRUM to the team and put it on the right track
- Communicated with the Customer (product owner)
- Analyzed and gathered requirements (user stories)
- Designed key elements of the system (along with the team)
- Implemented certain aspects of the system
- Managed a team of 3 developers/2 QAs (in a scrum way)

Technologies and tools

- C#, .NET Framework, ASP.NET Web Forms, ASP.NET MVC, WCF, JavaScript, jQuery, LINQ to SQL, Microsoft Moles, MS SQL Server, AJAX, MVP, Microsoft Azure, CSS, GitHub

Murano Software

Duration: 01.2011 – 12.2012

Our team has developed a system that allows users to create a number of tables (their structure, data types etc.) and populate them with data. Also, we have developed a complex system for chemical compounds location and display. The system enables users to search certain chemical compounds, their research results across a number of DB schemas and display them in all convenient formats (including visual representation).

Team

5 specialists

Position

Senior .NET developer

Responsibilities

- Designed architecture
- Communicated with the Customer
- Analyzed and gathered requirements
- Implemented certain parts

Technologies and tools

- C#, .NET Framework, ASP.NET Web Forms, ADO.NET, NHibernate, JavaScript, jQuery, Oracle, Telerik

Projects for EPAM Systems

Duration: 04.2006 – 12.2010

Our team has developed various projects, including: a special-purpose ODBC driver making ESSBase OLAP data sources transparent from the user's perspective; an enterprise solution that allows users to control a company's accounts, sales, customers, regions, etc; an extended version of an internet shop that comprised administrative functionality, seller functionality and customer functionality; a system that offers a wide range of travel products to the end user, etc.

Team

5-10 specialists

Position

.NET developer

Responsibilities

- Wrote business requirements
- Wrote functional requirements
- Participated in the huge effort of creating a software architecture document
- Designed architecture
- Communicated with the Customer

Technologies and tools

- C#, .NET Framework, ASP.NET Web Forms, ADO.NET, NHibernate, JavaScript, jQuery, AJAX