Serhiy Krasovskyy Full Stack developer,

Tech/Team Lead, Architect

CONTACT INFORMATION

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LANGUAGES

- English: B1/B2 depend on interviewer
- Ukrainian: Native
- Russian: Native

SUMMARY

Experienced and result-driven Tech/Team Lead, Architect, and Senior Full Stack Developer with 25+ years in software engineering. Specialized in .NET, Nodejs, Angular, cloud-native microservices, distributed systems, and system integrations. Proven ability to design scalable architectures, lead cross-functional teams, and deliver high-quality, secure solutions for fintech, medtech, and enterprise-grade platforms. Strong background in CI/CD, DevOps, and open-source contribution. Motivated to solve complex problems, optimize performance, and mentor engineers towards excellence. Also skilled in problem-solving, clear communication across technical and non-technical teams, and capable of working independently in dynamic environments.

TECHNICAL SKILLS

- .Net, .Net Core, ASP.Net MVC, C#, VB
- TDD, xUnit / NUnit / Moq, FluentAsserttions, MockQueryable, Postman, unit/integration tests
- Angular, RxJS, NgRx, Google Charts
- Jest, Karma
- REST, SignaR, WebSocket, TCP/UDP Servers/Clients
- Nodejs, Express, NestJS, TypeOrm, Prisma, PM2
- mocha, chai
- MS SQL, Postgres, Mongo, Redis, Lucene, Elasticsearch, Kibana
- Rabbit MQ, Solace, MQTT
- Azure, Functions, Durable Functions, API Gateway, Azure DevOps

- AWS, Lambda, S3, EC2, Postgres
- Docker, Docker Compose, Kubernetes (Basic), VirtualBox
- OAuth2, OpenID, JWT, Identity Server 4/7 (custom implementation)
- Python, Flask
- Gitlab, Bitbucket, Github, Azure DevOps CI/CD pipelines
- Payment terminals Ingenico, Miura, Squirell, Micros 3700
- Visual Studio, VS Code, SQL Profiler, SQL Management Studio, PgAdmin, DBeaver, SourceTree, Putty, and other tools
- Windows, Linux
- Finances, Accounting, Medicine, Documents processing, Retail, Education, Aerospace, IoT, Production, CRM, ERP, Payment systems

EDUCATION

- Kremenchug University of Economics and New Technologies, Information technology, master's degree in computer science
- Dnipropetrovsk College of Automation and Telemechanic, Computer Science, bachelor's degree in computer science

OPEN-SOURCE CONTRIBUTIONS

- ioBroker adapter to manage air conditioners.
  https://github.com/XHunter74/ioBroker.gree-hvac
- ioBroker adapter to get information from APC UPS
  https://github.com/XHunter74/ioBroker.apcups
- CQRSMediatr package – lightweight implementation of CQRS pattern.
  https://www.nuget.org/packages/cqrs-mediatr
- Task-executor package – concurrency-controlled task execution framework.
  https://www.nuget.org/packages/task-executor

  Maintained next projects:

- AlCalzone/ioBroker.ble - create new adapter for Qingping sensors
- 1technophile/OpenMQTTGateway, theengs/decoder - added support of Qingping temperature sensor
- EntityFrameworkCore.PostgreSQL.ColumnEncryption - fixed some bugs that occurred in multitenant environment

WORK EXPERIENCE

Full Stack developer, architect **Beetroot (https://beetroot.co/)**| December 2019 – Present

Document Processing Solution

Project for a warehouse where I transformed existing console applications to a chain of microservices. The main purpose of the application was to collect scanned documents,

OCR them, extract useful information and store it in the database for later processing. During development I optimized some processes to increase solution performance.

- Tech lead
- Develop architecture
- Develop databases
- Implement microservice solution

Solution for medical startup

Developed a solution which is to integrate different medical systems (Sectra, Roche, Proscia, etc) and send medical data to the analyzing system, after the analysis result should return to the medical system.

- Tech lead
- Developed architecture
- Developed database
- Implemented modular monolith solution
- Supported and extended Angular application
- Customized some Identity Server flows
- Customized Microsoft.Health.* libraries
- Fixed bug in Postgres column encryption library
- Implemented CI/CD pipelines on Gitlab

TV platform

The main issue of the solution is preparing and providing TV schedules to TV providers. The solution contains many parts which are in different platforms: local servers or Azure based. Main goals are provide a fast platform to operators that manage TV schedules, prepare correct schedules to TV providers in time. Main challenges: massive amounts of data that need to be handled and process, not always clear and simple flows during data preparation, limitation of platforms: for example Azure functions have limits in time running and memory (Existed subscriptions do not provide possibility to use premium plans) .

- Tech lead
- Upgraded solution from .Net to .Net Core
- Converted solution from Code First to Database First approach
- Resolved performance bugs, increased performance in two/three times
- Implemented new features
- Developed new Azure based solutions (Functions, Durable Functions, API Gateway, Authorization)
- Moved some parts of the solution to Azure
- Converted existed console Python application to Web API
- Implemented CI/CD flows on Azure DevOps
- Supported existed Angular applications, created new one

Transport tracking solution

The solution is mostly focused on monitoring school buses routes but also has various objectives depending on clients.

- Backend development
- Databases development
- Angular application development
- Resolved some performance issues
- Resolved performance and visual issues with routes which have huge amount of points

CTO, Full Stack developer, architect **Onlinico** (**https://www.crunchbase.com/organization/onlinico**) | September 2015 – December 2019

- Technology Vision & Strategy. Define and align technology roadmap with business goals.
- Team Leadership & Mentoring. Take part in hiring people.
- Build, lead, and grow engineering teams; promote best practices.
- Innovation & R&D
- Explore innovative technologies and drive innovation within the company.
- Vendor & Tooling Decisions
- Evaluate and select 3rd-party platforms, tools, and service providers.

Fee-driven financial service (creditready.com)

The application provided financial advice to users based on their financial data.
Please note: the current version of the website differs from the one we originally developed.

- Team/Tech lead
- Developed solution architecture
- Developed backend
- Developed database
- Implemented CI/CD pipelines using Jenkins

Web Service for Funding (www.sproutfin.com)

Web service for funding, that provides the technology and services to instantly pre-qualify and maximize funding for USA customers.

- Team/Tech lead
- Developed solution architecture
- Developed databases
- Integrated with SalesForce, Recurly, Google Geocoding API, another financial system
- Implemented CI/CD pipelines using Jenkins

RedCapture.com (b2b application for financial advisers and their clients)

Web application that provides a straightforward way to collect and update client data using a modern web interface that stores collected data into Redtail CRM. We developed two websites: one for financial advisors and one for their clients. The Financial Advisor Site lets administrators configure which data should be collected from clients. The Client Site provides the advisor's clients easy and convenient forms to help keep their information updated.

- Team/Tech lead
- Developed solution architecture
- Developed databases
- Implemented authentication server using OpenIddict
- Implemented system admin dashboard
- implementation of Integration with Auth.Net
- Integrated with Redtail CRM
- Implemented CI/CD pipelines using Jenkins

Self-service registration solution for patients

Medical solution to register huge amount of the patients to medical procedure.

- Team/Tech lead
- Developed solution architecture – modular monolith with message bus
- Developed database
- Implemented rich email designer using Beefree SDK
- Implemented custom MVC renderer for render ASPX pages which are stored in the database
- Integrated solution with existing medical system
- Implemented CI/CD pipelines using Jenkins

Payment system for the USA market

The payment system implemented some specific payment flows according to a customer's requirements. Also it was integrated with different USA payment providers.

- Tech lead
- Developed solution architecture – modular monolith with message bus
- Developed database
- Developed payment system part
- Integrated different payment system

Mipoint Service for connecting different POS-terminals for processing instant payments

Payment system for restaurant business. Implements some specific flows to increase user experience for visitors. Supports many payment systems and payment terminals such as Ingenico, Squirell and others. Also the system is integrated with different POS systems for restaurants: Micros 3700, Aloha, Positouch.

- Team lead
- Developed solution architecture – modular monolith with message bus
- Developed databases
- Integrated Ingenico, Squirell
- Integrated restaurants POS systems
- Developed integration libraries using JAVA, C, Python

ELEKS Software Ltd. (https://eleks.com/)| April 2007 – September 2015

- Managed teams as project manager
- Lead projects
- Take part in the development of architecture projects
- Take part in identifying business and system requirements
- Take part in the development of solutions