Lazar AVRAMOVIĆ
M.Sc in Informatics / Senior Software Engineer (.NET)

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Senior Software Engineer (.NET) with 7+ years of experience designing and building production-grade, scalable backend systems.

Work Experience

present September 2024	**Senior Software Engineer** | EPAM Systems, remote › Stabilized and refactored a legacy healthcare platform inherited from a previous vendor, contributing to its rise to a top-2 product within the client ecosystem. › Drove a calendar synchronization feature from concept to production, enabling patients and nurses to track exact delivery times for home medication therapies. › Led improvements to application observability, strengthening the team's ability to monitor and diagnose production issues. › Resolved critical production incidents under time pressure, conducting thorough investigations involving complex SQL queries and extensive research. › Cleared the accumulated support ticket backlog and drove a reduction in new ticket volume through stabilization and bug fixes. .NET Azure Angular Docker MSSQL
September 2024 July 2021	**Software Engineer** | Qubitsoft d.o.o, Kragujevac › Identified and resolved a critical processing bottleneck in a high-throughput production system, improving performance by 66.67%. › Designed and implemented an automated import component from the ground up, now used by the largest school districts on the platform. › Developed and maintained the file-processing component of a microservice pipeline processing millions of records daily, for Houghton Mifflin Harcourt as part of a remote team based in Dublin. › Mentored and onboarded junior team members. .NET AWS Docker Jenkins EntityFramework MySQL Jira
July 2021 October 2018	**Software Engineer** | Technomedia d.o.o, Kragujevac › Proposed and implemented a SaaS delivery model and automated deployment pipeline, replacing manual on-site updates and significantly reducing delivery time. › Reverse engineered and ported undocumented C++ device libraries to Java, integrating access control and video surveillance hardware into the monitoring system. Docker Kubernetes Java SpringBoot Angular C++ SQL

Education

2021 2019	**Faculty of Science** | University of Kragujevac **M.Sc in Informatics** | Department of Mathematics and Informatics
2019 2014	**Faculty of Science** | University of Kragujevac **B.Sc in Informatics** | Department of Mathematics and Informatics
2014 2010	**Grammar School** | Kruševac Socio-linguistic studies

Skills and Knowledge

Software Development	.NET | C# | Java | Angular | REST APIs & Integrations | Entity Framework | SQL (MSSQL, MySQL, PostgreSQL) | NoSQL | Redis | RabbitMQ | SignalR | Identity & Access Management (IAM) | Unit & Integration Testing | xUnit | Production debugging & observability
Cloud, DevOps & Infrastructure	AWS | Azure | Docker | Kubernetes | CI/CD (Jenkins, Azure DevOps) | Bash | Linux | Jira
Engineering Practices	System Architecture & Design | Distributed Systems | Microservices | Performance Optimization | Design Patterns | SOLID | Software Development Lifecycle (SDLC) | Scrum
Professional Skills	Ownership | Time Management | Problem Solving | Communication | Teamwork | Creative Thinking

CERTIFICATIONS

MICROSOFT APPLIED SKILLS - Accelerate app development by using GitHub Copilot 2026.
GOOGLE - Deploy an Agent with Agent Development Kit (ADK) 2025.
MICROSOFT CERTIFIED : AZURE FUNDAMENTALS - AZ-900 2024.
NVIDIA DLI CERTIFICATE - Fundamentals of Deep Learning 2022.

SELECTED PROJECTS (ADDITIONAL TECHNICAL DETAIL)

RESCUE AND REDESIGN OF LEGACY HEALTHCARE ORDER PLATFORM - Epam Systems   2025 - PRESENT

Drove improvements in code quality, system architecture, and infrastructure on a legacy enterprise order management platform in the healthcare domain. The platform was originally developed with poor practices and lacking documentation - my team was tasked with stabilizing it by reverse engineering, documenting, and reducing technical debt, all while delivering new features.

`.NET` `Docker` `Azure` `EntityFramework` `MSSQL`

WEBMAIL PLATFORM - Epam Systems   2024 - 2025

Participated in architecture discussions and contributed to the development of a large-scale webmail platform undergoing a monolith-to-microservices migration.

`.NET` `Docker` `Angular` `GitLab` `PostgreSQL`

HMH - EDUCATION AND LEARNING TECHNOLOGY - Qubitsoft d.o.o   2021 - 2024

Owned the file-processing component and designed the automated SFTP import from scratch on a large-scale school data pipeline for schools across the USA, as part of a remote team based in Dublin. Identified and resolved a critical processing bottleneck by restructuring data lookups, reducing time complexity from quadratic to linear and achieving a 66.67% performance improvement.

`.NET` `Docker` `AWS` `Jenkins` `EntityFramework` `MySql`

BURIZA - independent project   2024 - PRESENT

A card game originally invented with friends during university, now a multiplayer Progressive Web App using SignalR and Redis. Designed for infinite horizontal scaling on Azure with sticky connections.

`.NET` `SignalR` `Redis` `Azure` `Angular`

UNO - Startup   2022 - 2024

Uno was a booking application built as a startup venture with a team of four. I served as System Architect and lead, designing the system architecture following DDD and selecting the tech stack. I set up the entire infrastructure from scratch — Git server, Docker, CI/CD, VPN, message queues, databases, and ELK stack. We successfully delivered an MVP but were unable to secure funding.

`.NET` `Docker` `Jenkins` `RabbitMQ` `Redis` `MySql` `Elasticsearch` `Kibana` `EC2` `Bash` `Linux`

BCO ALGORITHM PARALLELIZATION FOR SOLVING COMPLEX PROBLEMS IN SYSTEM P - master thesis, supervisor Dr. Tatjana Stojanović   2021

Some problems can't be computed in polynomial time, for that we use meta-heuristics to approximate the "good enough" solution. The goal of this thesis was to design a parallel version of the specific algorithm and explore its effectiveness in solving complex logical problems in the default system P.

`C++` `MPI`

TECHNOMEDIA CLOUD - Technomedia d.o.o   2020

Built from scratch an internal support portal for on-demand software provisioning. Customer support can provision and manage software instances (start, stop, pause) via a single interface. Angular frontend with a Java API orchestrating instances on a Kubernetes cluster - delivering software to clients faster and with built-in redundancy.

`Java` `Angular` `Docker` `Kubernetes`

LANGUAGES

Serbian native
English C1+

INTERESTS

Woodworking | Bass guitar | Films | Technology and Science | Self-hosting | Football | Formula 1