

RATOMIR VUKADIN

Senior Software Engineer and Solution Architect

East Sarajevo, Bosnia and Herzegovina | ratomir@live.com | +387-65/211-581 | <https://ratomirvukadin.dev> | <https://www.linkedin.com/in/ratomir-vukadin-rvs/> | <https://github.com/Ratomir> | <https://www.credly.com/users/ratomir-vukadin>

PROFESSIONAL SUMMARY

Senior Software Engineer and Solution Architect with 10+ years of experience designing, building, and operating production systems across Azure, AWS, DigitalOcean, Kubernetes, .NET, Python, React, and Infrastructure as Code. Strong background in backend engineering, distributed systems, event-driven architecture, cloud migration, DevOps, and technical leadership.

CORE SKILLS

- Languages: C#, Python, TypeScript, SQL, JavaScript
- Backend: ASP.NET Core, .NET 6-10, Entity Framework Core, FastAPI, Pydantic, Alembic, Azure Functions, AWS Lambda
- Architecture: Microservices, Modular Monolith, Event-Driven Systems, RabbitMQ, Azure Service Bus, Inbox/Outbox, CQRS, C4 diagrams
- Cloud: Azure, AWS, GCP, Azure AKS, Azure Container Apps, Azure Functions, Azure Data Factory, AWS ECS, AWS EKS, AWS Lambda, AWS Step Functions
- DevOps and IaC: Kubernetes, Terraform, Bicep, Azure DevOps, GitHub Actions, CI/CD, Application Insights, Log Analytics
- Data: PostgreSQL, MS SQL Server, MongoDB, Redis, Azure Cosmos DB, Databricks, Azure Data Lake
- Frontend: React, Next.js, Angular, TypeScript, Plotly.js, RxDB
- Testing and Libraries: xUnit, Moq, Testcontainers, MassTransit, MediatR, FluentValidation, Scrutor, ErrorOr
- Leadership: Technical leadership, solution architecture, mentoring, coaching, sprint planning, architecture reviews, discovery workshops

PROFESSIONAL EXPERIENCE

IEHSOFTLABS - Solution Architect and Team Lead

Mar 2025 - Present | East Sarajevo, Bosnia and Herzegovina

- Designed an offline-capable laboratory management platform with two-level synchronization using RxDB on devices and RabbitMQ federation between local laboratories and cloud services.
- Architected a modular monolith with a separated Identity service and service-bus communication using RabbitMQ and Inbox/Outbox patterns.
- Led migration from on-premises infrastructure to managed services on AWS and DigitalOcean using Kubernetes clusters and multiple namespaces.
- Introduced Cursor AI across the engineering department and managed team development through PDP plans and recurring 1-on-1 meetings.

Technologies: C#, .NET, RxDB, RabbitMQ, Kubernetes, AWS, DigitalOcean, Cursor AI

Devtech - Software Engineer

Jun 2022 - Feb 2024 | Sarajevo, Bosnia and Herzegovina

- Built payment processing systems for B2B, customer-business, loan, and credit flows following European financial regulations.
- Used Stripe as the primary payment provider and supported deployment automation with Azure DevOps and Bicep.

Technologies: C#, .NET Core, Azure DevOps, Bicep, Stripe

Mistral - Technical Lead, Software Engineer, DevOps Engineer

Jun 2019 - May 2022 | Sarajevo, Bosnia and Herzegovina

- Led teams of up to 10 engineers, owned architecture decisions, sprint planning, critical issue resolution, and delivery planning.
- Introduced KEDA on AWS EKS for video frame processing and reduced processing time from more than 7 hours to approximately 2 hours.

- Built Azure Data Factory consolidation pipelines for Microsoft Dynamics, Salesforce, and internal systems feeding Power BI through Analysis Services.
- Maintained Infrastructure as Code for microservices on AWS ECS/EKS and Azure AKS using Terraform, ARM, and AWS CDK.

Technologies: C#, Python, Terraform, AWS ECS, AWS EKS, Azure AKS, Azure Data Factory, KEDA

Klika - DevOps Engineer

May 2018 - May 2019 | Sarajevo, Bosnia and Herzegovina

- Managed a 2 TB Azure Big Data platform and migrated ELT pipelines from Azure Data Factory v1 to v2.
- Moved processing from Azure HDInsight SQL workloads to Azure Databricks Python pipelines and owned secure deployment processes.

Technologies: Azure Data Factory, Azure EventHub, HDInsight, Databricks, Cosmos DB, C#, Python, NodeJS

Lanaco - Software Engineer

Oct 2016 - Apr 2018 | Banja Luka, Bosnia and Herzegovina

- Developed taxpayer registration and deregistration modules for the Indirect Taxation Authority in Bosnia and Herzegovina.
- Led development of an MS Visio XML workflow parser and mentored 18 interns across four teams during a software summer internship.

Technologies: ASP.NET 4.6, C#, MS SQL Server, IIS, TFS

Authority Partners - Software Engineer

Sep 2015 - Feb 2016 | Sarajevo, Bosnia and Herzegovina

- Worked as a full-stack engineer on large-scale enterprise systems and supported intensive off-hours deployment windows.

Technologies: ASP.NET 4.6, C#, MS SQL Server, Redis, AngularJS, jQuery

CONTRACT ENGAGEMENTS

Solar-Prediction - Solution Architect and Lead Engineer

Contract | Remote

- Designed a solar energy forecasting platform with day-ahead and intraday prediction, inverter integrations, weather data, exchange data, and trader-facing portal workflows.
- Built Azure Functions and Container Apps infrastructure with Terraform and GitHub Actions, and developed Python/CatBoost prediction workflows.

Technologies: C#, Python, CatBoost, Azure Functions, Azure Container Apps, React, Next.js, PostgreSQL, MongoDB, Redis, Terraform

Quantum Solutions - DevOps Lead

Contract | Remote

- Redesigned Azure infrastructure from App Services to AKS and then Azure Container Apps to reduce cost and simplify operations.
- Implemented CI/CD, observability, alerting, Terraform IaC, and environment management across multiple Azure subscriptions.

Technologies: Azure, AKS, Azure Container Apps, Azure Service Bus, Azure DevOps, Terraform, Application Insights, Log Analytics

2am Tech - Software Engineer

Contract | Remote

- Built CSV parsing algorithms for consolidating multiple health-insurance data formats into unified models on AWS Lambda.

Technologies: C#, .NET 6, AWS Lambda

EDUCATION

B.Sc. Computer Science, University of East Sarajevo, Faculty of Electrical Engineering, 2011-2016, GPA 8.28/10

CERTIFICATIONS

Microsoft certifications and badges: <https://www.credly.com/users/ratomir-vukadin>

LANGUAGES

Serbian/Bosnian: Native

English: Professional working proficiency