

Eren Ahmed

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Professional Summary

Results-oriented Software Engineer with nearly 3 years of experience architecting mission-critical systems for FinTech, Government, and Law Enforcement sectors. Specialized in building high-performance Java Spring Boot backends and cross-platform React Native applications. Proven track record of optimizing legacy systems and engineering real-time, high-frequency transaction platforms. Adept at utilizing AI-assisted development tools and modern DevOps pipelines to deliver secure, scalable solutions.

Technical Skills

Languages: Java, JavaScript, TypeScript, SQL

Backend & Architecture: Spring Boot, Microservices, REST APIs, Apache Kafka, Redis, JWT Authentication

Frontend & Mobile: React Native, React.js, Next.js, Expo

Database: PostgreSQL, MS SQL Server, MongoDB, Firebase

DevOps & Cloud: Docker, CI/CD, Render, Fly.io, Netlify, Git

Automation: IBM Automation, n8n Workflows

Professional Experience

InTec System

April 2023 – Present

Full Stack Engineer / Lead Backend Engineer

Skopje, North Macedonia

- Served as the **Lead Backend Engineer** for the past 2 years, driving architectural decisions for enterprise-grade software used by the **Ministry of Internal Affairs, Finance Police, and Municipalities**.
- Spearheaded a critical refactoring initiative for a legacy banking system, successfully improving page load performance by **80%**, dramatically improving operational efficiency for thousands of daily active users.
- Designed and deployed the **"E-Evidence"** platform, a digital case management system currently utilized by international law enforcement agencies to handle sensitive evidential data securely.
- Developed robust backend infrastructures for major banking institutions, optimizing SQL queries and database interactions to handle massive data loads with zero downtime.
- Built and launched multiple React Native applications for city services (Civic Reporting App for Skopje) and commercial clients, overseeing the full lifecycle from UI/UX to App Store/Google Play deployment.
- Modernized the deployment strategy by implementing Dockerized CI/CD pipelines, reducing deployment friction and enhancing team velocity by over 30%.

Freelance Software Engineer & Consultant

April 2019 – Present

Self-Employed

Remote

- Engineered a sophisticated **Online Auction Platform** using Spring Boot, React, **Apache Kafka, and Redis**. The system processes real-time bids with thousands of transactions per minute without crashing, ensuring data consistency under heavy load.
- Designed complex automation workflows for a travel agency using **n8n and IBM Automation** tools, streamlining booking processes and significantly reducing manual administrative overhead.
- Delivered high-performance web solutions using **Next.js and React**, including a responsive platform for USTourBalkan that increased client engagement.
- Developed a custom Warehouse Management System (JavaFX) for retail clients to digitize inventory tracking and optimize stock levels.

Education

International Balkan University

Skopje, North Macedonia

Bachelor of Computer Engineering

Oct 2018 – June 2022

- **Thesis:** "Android Development" – Focused on mobile architecture and performance.

Certifications & Languages

Certifications: Udemy Java Masterclass, Meta React Native Developer Course

Languages: English (Professional), Turkish (Native), Macedonian (Fluent), Serbo-Croatian (Fluent)