

Eren Ahmed

Full Stack & Mobile Engineer · Java Spring Boot · React Native
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Software Engineer with 4+ years of professional experience building enterprise systems for the Ministry of Internal Affairs, Finance Police, and major banking institutions. Specializes in high-performance Java Spring Boot backends and cross-platform React Native applications. Currently engineering an AI-powered mobile tutor (OpenAI, Claude, Gemini) at Kalmus Labs while serving as Backend Engineer at InTec System.

TECHNICAL SKILLS

Backend: Java, Spring Boot, Microservices, REST APIs, Apache Kafka, Redis, JWT

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

AI Integration: OpenAI API, Anthropic Claude API, Google Gemini API

Databases: PostgreSQL, MS SQL Server, MongoDB, Firebase

DevOps & Cloud: Docker, CI/CD, Git, Linux

Automation: n8n Workflows, IBM Automation

PROFESSIONAL EXPERIENCE

Kalmus Labs · Mobile Engineer (Part-time)

Oct 2024 – Present | Remote

- Building Remora — an AI tutor React Native app leveraging multiple AI APIs to enable users to upload documents and engage in context-aware learning sessions; currently in active development ahead of demo launch.
- Engineered Highlight Modes (Study, Explore, Relax) delivering instant AI-generated actions — definitions, solutions, critiques — streamed directly into the reading view without leaving the document.
- Architected a full PDF reader with real-time text selection, a persistent highlight history and annotation system with star/save, and a side chat panel for extended AI conversations anchored to document context.

InTec System · Full Stack Engineer / Backend Engineer

Apr 2023 – Present | Skopje, MK

- Entrusted with backend architectural decisions for enterprise software deployed across the Ministry of Internal Affairs, Finance Police, and multiple Municipalities.
- Spearheaded a legacy banking system refactor that reduced page load times by 80% for thousands of daily active users.
- Designed and shipped E-Evidence — a secure digital case management platform adopted by international law enforcement agencies, built with encrypted data handling for sensitive evidential records.
- Built and launched React Native city-service apps (Civic Reporting App, Skopje), owning the full lifecycle from UI/UX design through App Store and Google Play deployment.
- Implemented Dockerized CI/CD pipelines, cutting deployment friction and improving team velocity by 30%+.

Freelance Software Engineer · Self-Employed

Apr 2019 – Oct 2024 | Remote

- Engineered an Online Auction Platform (Spring Boot, Kafka, Redis) processing thousands of real-time concurrent bids per minute with zero data inconsistency under heavy load.
- Designed n8n and IBM Automation workflows for a travel agency; built high-performance web platforms with Next.js including USTourBalkan.
- Delivered a custom JavaFX Warehouse Management System to digitize inventory tracking and optimize stock management for retail clients.

EDUCATION

International Balkan University · Bachelor of Computer Engineering

Oct 2018 – Jun 2022 | Skopje, MK

CERTIFICATIONS & LANGUAGES

Certifications: Udemy Java Masterclass · Meta React Native Developer Course

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