

Khamza Khakim

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Education

Astana IT University, BS in Computer Software Engineering 2021 – 2024

- GPA: 3.55/4.0
- **Diploma Project - Kitaphub:** Developed a book e-commerce platform with an ML-driven recommendation engine using React and Java (Spring Boot).

Experience

Software Developer, LLP "CMC Technologies" – Astana, Kazakhstan Oct 2022 – Oct 2025

SmartEcg Project:

- Achieved **100% unit & integration test coverage** using **JUnit + Mockito**, improving backend reliability.
- Built a **mock external-service emulator + CRUD web app (Spring Boot + React)** to streamline internal development and reduce dependency delays.
- Developed REST endpoints to integrate and normalize **SOAP-based external services**, simplifying service usage across the platform.
- Added **Telegram messaging integration**, enhancing notification and communication workflows.

E-medosmotr Project:

- Built fully responsive UIs using **Next.js, Tailwind, and Mantine UI**, improving accessibility across desktop & mobile
- Created **Playwright E2E test suite**, reducing critical user-flow errors to **0%** and improving release confidence
- Developed analytics dashboards using **Recharts**, improving internal bug discovery rate by **20%**
- Optimized database queries and document-generation workflows using **Drizzle ORM + tRPC**, decreasing response times by **40%**
- Designed and implemented relational database structures with **Drizzle + PostgreSQL migrations**, improving data consistency and maintainability.
- Independently developed a **secondary web** service integrated with the main platform, reaching **20%** user adoption
- Mentored two junior developers, providing guidance on implementation, code quality, and best practices

Technologies

Languages: English - Proficient (IELTS 8.0 / CEFR C1), **Kazakh** - Native, **Russian** - Fluent

Programming Languages: JavaScript/TypeScript, Java, SQL, Python

Frontend: React, Next.js, TailwindCSS, Mantine UI, shadcn/ui, MUI, Recharts, Redux, Zustand, TanStack Query

Backend: Spring Boot, Express, Elysia, Fastify, tRPC, Socket.IO, RabbitMQ

Databases & ORMs: PostgreSQL, MongoDB, Redis, Drizzle ORM, Prisma, Hibernate

Testing: Playwright, Jest, JUnit, Mockito

Tools & DevOps: AWS, Docker, Nginx, Linux/CLI, Github Actions