MADI ALENOV

SOFTWARE ENGINEER | FULLSTACK

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SUMMARY

Fullstack developer with over a year of experience building production web interfaces at iQadam and Umap. Outside commercial work, developed backend-intensive applications for encrypted reporting, secure file sharing, and automated deployments.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL | Frontend: React, Next.js, HTML, CSS
Backend: FastAPI, PostgreSQL, SQLAlchemy, REST APIs | Tools: Docker, Git, pytest
Practices: Database Design, Unit & Integration Testing, Deployment Automation

WORK EXPERIENCE

Software Engineer | Umap Oct 2026 - Present

- Built and deployed a public-facing website for a Kazakhstan-based mapping platform using Next.js and TypeScript.
- Implemented 3 switchable product scenes and an interactive SVG map of Kazakhstan with 2 city destinations: Astana and Almaty.
- Worked with the team on product requirements, UI/UX iterations and responsive releases.

Frontend Developer | iQadam Systems Sep 2025 - Aug 2026

- Built and maintained reusable UI components and frontend modules in a production application.
- Integrated REST API-backed workflows and aligned request/response formats with backend developers.
- Diagnosed and fixed frontend defects affecting existing user flows and interface consistency.

SELECTED PROJECTS

Forge Python / Docker / Traefik

- Built blue-green deployment automation; a local 45-second synthetic stress test served ~180,000 HTTP requests with zero failed responses.

Sendrift FastAPI / Next.js / PostgreSQL

- Developed file sharing with expiring links, revocation, 100 MiB upload limits, transactional storage and automated tests.

Sealed FastAPI / Next.js / Cryptography

- Built an encrypted reporting prototype with in-browser encryption, signed messages and protected investigator access.

Soup Experiment Tracker FastAPI / Next.js / PostgreSQL

- Implemented idempotent event ingestion and recoverable real-time metrics with database-backed Server-Sent Events.

ADDITIONAL

WorldSkills Competition: 2nd place (city stage) | Languages: English B2; Russian and Kazakh (native)

EDUCATION

Astana International University 2026 - 2029

BSc in Computer Engineering and Software

Astana IT College 2023 - 2026

Software Engineering