

AYKHAN BADALOV

Full-Stack Developer · Computer Science Student

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PROFESSIONAL SUMMARY

Full-Stack Developer and Computer Science student (GPA 4.0) who builds and ships production web applications end to end, from responsive React interfaces to REST APIs, authentication and containerized deployments. TEKNOFEST 2026 Finalist (Fintech). Built a co-founded TypeScript SaaS MVP (Turborepo, Express.js), a credit scoring platform for farmers, three live websites and a framework-free Java booking system. Strong algorithmic foundation from olympiad-level mathematics and computer science. Seeking a Junior Full-Stack Developer role in a professional engineering team.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Python, HTML5, CSS3, C, C++

Frontend: React.js, Next.js, React Router, React Context, Tailwind CSS, Framer Motion, Responsive Design

Backend: Node.js, Express.js, FastAPI, Payload CMS, Sanity, Prisma, PostgreSQL, PostGIS, Supabase, REST APIs, Clerk, JWT, Java SE HTTP server

DevOps, Testing & Tools: Docker, Git, GitHub, Turborepo, Vercel, Railway, Neon, Vitest, Playwright, ESLint, Prettier

Concepts: OOP, Design Patterns (Strategy, Observer), Data Structures & Algorithms, SEO

EXPERIENCE

Programmer (Part-time) - Omnitech MMC

Aug 2025 - Present

- Register and manage Kassa POS device tokens within the company's device management system.
- Troubleshoot device-related issues and keep device records accurate and up to date.

Mathematics Tutor & Python Instructor - Freelance

Short-term

- Delivered one-on-one maths sessions with targeted problem sets, improving students' exam results.
- Designed a beginner Python curriculum from scratch, teaching core programming logic.

PROJECTS

AgriKöprü - Node.js, Express, PostgreSQL, FastAPI

github.com/aykhanbadalov/agrikopru

- Built a 3-service credit scoring platform (Express API, FastAPI engine, React Native app) for farmers with no credit history.
- Designed a 20-endpoint REST API with OTP-verified registration and contract signing, plus a USSD flow for keypad phones.
- Integrated the scoring service into the API, with a document upload that fills in the registration form automatically.

ArchitectMCP - TypeScript, Next.js, Express.js, Prisma, Turborepo

Co-founded startup MVP

- Co-founded an MVP that keeps AI coding agents (Claude Code, Cursor) aligned with a project's architecture via MCP.
- Built the Next.js dashboard and the Express.js backend in a Turborepo monorepo, alongside a Go-based MCP server.
- Built the licensing, API-key authentication and usage-based billing systems, with signed webhooks and retry-safe charges.

BHOS Football - Next.js, Sanity, TypeScript, Vitest

bhosfootball.com

- Built a bilingual (AZ/EN) platform for a 32-team university futsal championship with live scores from a phone-friendly admin.
- Wrote a self-updating tournament bracket with result re-confirmation, covered by 80+ unit tests.

Witty Minds Club - Next.js, Payload CMS, PostgreSQL, TypeScript

wittyminds.com.az

- Built and launched a bilingual (AZ/EN) website with 9 public pages and an admin panel for a university comedy club.
- Non-technical members manage events, news, team and media; DeepL hooks auto-translate content to English.
- Secured 4 public forms with server-side validation, rate limiting and Cloudflare Turnstile; sitemap and hreflang SEO.

Hotel Reservation System - Java SE, REST API, Docker

github.com/aykhanbadalov/Hotel-Reservation-System

- Full-stack booking platform built without frameworks: custom HTTP server and a 19-endpoint REST API.
- Implemented token-based authentication with separate guest and admin roles and an admin approval workflow.
- Applied Strategy and Observer patterns for pricing and reservation status; deployed on Railway with Docker.

Best Vision Agency - React, Vite, Tailwind CSS, EmailJS

best-vision-agency.vercel.app

- Live, bilingual (AZ/EN) marketing website built and delivered for a real digital agency client.
- Reusable components with global theme/language state via React Context; on Vercel with sitemap, Open Graph, meta tags.

ACHIEVEMENTS

- Finalist - TEKNOFEST 2026, Fintech category (one of the world's largest aerospace and technology festivals)
- 1st Place - Global Nexus Olympiad in Computer Science, 2024
- Participant - NeuroBridge.SI AI Hackathon, Baku 2026 (Team Zero Shot; 2-day, in-person)
- Participant - CyberCell Hackathon 2025, AzerCell & Baku Engineering University (one of 25 teams selected from 100+)

EDUCATION

B.Sc. Computer Science - Baku Higher Oil School

Sep 2024 - Jun 2029

- Current GPA: 4.0 / 4.0 (94.67 / 100) | Admission Exam Score: 675.5 / 700

Full-Stack Development Program - Div Academy

Nov 2025 - Present

- Awarded a 60% merit scholarship; project-based training in modern web technologies.

LANGUAGES

Azerbaijani (Native) · English (C1, IELTS 7.0) · Turkish (Advanced) · Russian (Beginner)