

Ahmad Jafarov

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EDUCATION

AZERBAIJAN STATE OIL AND INDUSTRY UNIVERSITY

Bachelor of Science, Computer Engineering — GPA: 91.5/100

Baku, Azerbaijan

Sep 2019 – Jun 2023

- Graduated from the Joint "Collaboration Program to Develop the Bachelors of Emerging Technologies" between Siegen University (Germany) and ASOIU
- Entrance score: 640/700. Graduation project: supervised data mining algorithms for online education
- Relevant coursework: Artificial Intelligence, Data Structures and Database Systems, Object Oriented Design and Programming, Web Programming and Design

EXPERIENCE

FERRUM CAPITAL

Front-End Developer

Baku, Azerbaijan

Aug 2023 – Present

- Leading frontend development on internal systems (CRMs, ERP tools) and public mobile applications, taking projects from architecture to delivery
- Documented technical specifications, API integrations, and architectural decisions for all frontend projects
- Conducted code reviews, established coding standards, and implemented best practices for code quality
- Managed workloads and coordinated between developers, aligned with backend teams for seamless integration
- Implemented CI/CD pipelines for automated testing and deployment workflows

INNOSIGHT LLC

Baku, Azerbaijan

Software Developer

Mar 2024 – Apr 2025

- Developed the frontend of an internal office room booking system with a Google Calendar-like UI and an admin panel for employee management using Next.js 14, server actions, React Hook Form, and Zod for server/client validation
- Designed and implemented a CRM platform for citizen onboarding with integrated video calls and browser/backend-level face detection for identity verification
- Built Swift and Kotlin SDKs for face liveness detection; implemented FastAPI backend with Google MediaPipe and authenticated WebSocket connection for real-time active liveness verification

YELOBANK

Baku, Azerbaijan

Intern

Jul 2022 – Aug 2022

- Selected as one of 50 students from 5000 applicants
- Worked with Spring and Spring Boot, connected applications to MySQL, performed data manipulation, and worked with REST APIs

PROJECTS

Ferrum Capital Mobile [App Store](#)

React Native (Expo), Expo Modules, TypeScript, TanStack React Query, React Hook Form, Zod

- Mobile banking app with 100,000+ active users
- Designed and implemented full-stack SIMA citizen certificate authentication (frontend + backend) with X.509 certificate parsing, RSA-SHA256 signature verification, and cryptographic challenge-response flow

- Developed multi-module architecture for obligations, factoring, and video-meetings; implemented push notifications via Firebase Cloud Messaging, React Hook Form + Zod validation, and offline capabilities with TanStack React Query caching

4YOU [Website](#)

Next.js 15, TypeScript, Server Actions, Zod, shadcn/ui, TailwindCSS, Docker

- Mental health platform with Server Actions as type-safe RPC; end-to-end validation with Zod schemas shared between client forms and server actions
- Built custom design system with shadcn/ui components and TailwindCSS; architected reusable component library with Radix UI primitives
- Implemented JWT token rotation via Edge middleware; automatic refresh on 401 responses without client-side complexity; HTTP-only cookie-based session storage
- Architected server-first data fetching with streaming; reduced client bundle ~40% by hydrating only interactive islands; role-based route protection at edge

CodeMark [GitHub](#)

React, TypeScript, esbuild, WebAssembly

- Jupyter-like notebook for JavaScript/React with live in-browser code execution
- Browser-based bundling using esbuild-WASM with dynamic npm package resolution and IndexedDB caching

LEADERSHIP & ACTIVITIES

"ELACHI" SCHOLARSHIP — PASHA Holding

Oct 2022

- Awarded a 1-year scholarship for academic excellence and extra-curricular activities
- Organized and conducted a 1-month Python training program for other scholarship holders

VOLUNTEER — Formula 1, FIA

Jun 2022

- Volunteer and supervisor assistant of the BCC; communicated with foreign guests and managed time/zone positions of Crowd Management TM for 3 regions within the city

SKILLS & INTERESTS

Technical: JavaScript, TypeScript, Golang, Git, ReactJS, NextJS, React Native, NodeJS, FastAPI

Languages: Azerbaijani (native), English (C1 — [IELTS 8.0](#)), Russian (A2)

Interests: Hiking, Camping, Brazilian Jiu-Jitsu, Playing Guitar, Reading