

Ahmad Jafarov

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EDUCATION

AZERBAIJAN STATE OIL AND INDUSTRY UNIVERSITY

Baku, Azerbaijan

B.S., Computer Engineering - GPA: 91.5/100

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

Baku, Azerbaijan

Front-End Developer

Aug 2023 - Present

- Led 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
- Executed CI/CD pipelines for automated testing and deployment workflows, reducing deployment time by 60%

INNOSIGHT LLC

Baku, Azerbaijan

Software Developer

Mar 2024 - Apr 2025

- Built 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
- Planned and built a CRM platform for citizen onboarding with integrated video calls and browser/backend-level face detection for identity verification
- Created Swift and Kotlin SDKs enabling face liveness detection; utilized FastAPI backend with Google MediaPipe and authenticated WebSocket connection for real-time active liveness verification

PROJECTS

4YOU [Website](#)

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

- Mental health platform supporting 30+ partner psychologists and 400+ active customers
- Executed Server Actions as type-safe RPC; utilized end-to-end validation with Zod schemas shared between client forms and server actions
- Created custom design system with shadcn/ui components and TailwindCSS; architected reusable component library with Radix UI primitives
- Applied 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 by ~40% by hydrating only interactive islands; implemented role-based route protection at edge

Ferrum Capital Mobile [App Store](#)

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

- Mobile factoring app serving 100,000+ active users
- Organized and implemented full-stack SIMA citizen certificate authentication (frontend + backend) with X.509 certificate parsing, RSA-SHA256 signature verification, and cryptographic challenge-response flow
- Applied multi-module architecture for obligations, factoring, and video-meetings; implemented push notifications via FCM, React Hook Form + Zod validation, and offline capabilities with TanStack React Query caching

4YOU [Website](#)

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CodeMark [GitHub](#)

React, TypeScript, esbuild, WebAssembly

- Jupyter-like notebook for JavaScript/React with live in-browser code execution
- Applied 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