

Elshad Aghayev

Architect/Team-lead Software Architect / Team Lead

SUMMARY

- Software engineer with 17+ years of experience specializing in Node.js (TypeScript) and Python, architecting microservices and event-driven systems using Kafka/Redpanda, ClickHouse, and PostgreSQL.
- Proficient in designing scalable APIs with gRPC, tRPC, and Protobuf, implementing CI/CD pipelines with GitLab CI/GitHub Actions, Docker, and Terraform.
- Strong background in system design, cloud-native architectures, and observability practices including structured logging, metrics, and tracing.
- Experienced in Web3 development, Solidity smart contracts, and blockchain integration, delivering real-time geolocation and delivery matching systems.
- Holds a Bachelor's degree in Automation and Computer Technologies and has led multiple international projects and startups, demonstrating leadership in software architecture and team management.

TECHNICAL SKILLS

Main Technical Skills	Node.js (5 yr.), TypeScript (5 yr.), Python (5 yr.), microservices (5 yr.), Kafka (5 yr.)
Programming Languages	Python (5 yr.), TypeScript (5 yr.)
Mobile Frameworks and Libraries	Crashlytics
JavaScript Libraries and Tools	Ethers.js (1 yr.), React Native, Redux-Saga (4 yr.), Web3.js (1 yr.)
JavaScript Frameworks	Ext JS (4 yr.), Node.js (5 yr.), React (4 yr.)
Python Frameworks	FastAPI (5 yr.)
Security	OPA (5 yr.)
Databases & Management Systems / ORM	Clickhouse (5 yr.), PostgreSQL (5 yr.), Redis (5 yr.), Supabase
UI Frameworks, Libraries, and Browsers	Bootstrap 4 (4 yr.), Tailwind CSS (4 yr.)
Amazon Web Services	AWS API Gateway (5 yr.)
SDK / API and Integrations	AWS API Gateway (5 yr.), FastAPI (5 yr.), Keycloak (5 yr.)
Methodologies, Paradigms and Patterns	Clean Architecture (5 yr.), microservices (5 yr.), SOLID (1 yr.), TDD (5 yr.)



Virtualization, Containers and Orchestration	Docker (5 yr.), Terraform (5 yr.)
BlockChain and Decentralized Software	Ethers.js (1 yr.)
Version Control	Github Actions (5 yr.)
Deployment, CI/CD & Administration	GitLab CI (5 yr.)
Mail / Network Protocols / Data transfer	GRPC (5 yr.)
Message/Queue/Task Brokers	Kafka (5 yr.)
Other Technical Skills	Data Structures (5 yr.), Protobuf (5 yr.)

WORK EXPERIENCE

Senior FullStack Developer (Confidential iGaming Project)

Duration: 02/2025 – 02/2026

Summary:

- A confidential iGaming platform project focused on delivering a high-quality gaming experience
- The project involved building scalable and secure systems for online gaming, ensuring compliance with industry standards and regulations

Responsibilities:

- Developed and maintained full-stack features for the iGaming platform.
- Ensured system scalability and security compliance.
- Collaborated with cross-functional teams to deliver project milestones.

Technologies: Node.js, TypeScript, Microservices, Kafka/Redpanda, ClickHouse, Postgres, Redis

System Architect - Ozio+ (Real-time delivery matching & geolocation system)

Duration: 01/2024 – 01/2025

Summary: Development of a real-time delivery matching and geolocation system designed to optimize delivery logistics by matching delivery requests with available couriers using geolocation data.

Responsibilities:

- Architected the system design and microservices architecture.
- Led the development of real-time data processing and geolocation features.
- Ensured system reliability and performance under high load.

Technologies: Node.js, TypeScript, Microservices, Kafka/Redpanda, Postgres, Redis



Founder & CTO - EACAMP LLC (EACAMP LLC - Software development & coding academy)

Duration: 02/2023 – 12/2025

Summary:

- Founded and led a software development and coding academy delivering projects such as UserSnap (Web3) and GlobalMedBooking (Healthcare platform)
- The academy focused on training developers and delivering innovative software solutions

Responsibilities:

- Managed company operations and project delivery.
- Oversaw development of Web3 and healthcare platform projects.
- Provided technical leadership and mentorship.

Technologies: Node.js, TypeScript, Python, Web3.js, Solidity, React.js, Next.js

Back-end Developer - EvaMatch (EvaMatch)

Duration: 12/2020 – 12/2022

Summary:

- Backend development for EvaMatch, a platform presumably focused on matchmaking or related services
- The role included development and maintenance of backend services to support platform functionality

Responsibilities:

- Developed backend services and APIs.
- Maintained system stability and performance.
- Collaborated with frontend and product teams.

Technologies: Node.js, TypeScript, Python, Microservices, Kafka/Redpanda, Postgres, Redis

Web3 Developer - EvaMatch (Serpenta.io (Side Project via EvaMatch))

Duration: 05/2021 – 08/2021

Summary: Short-term blockchain project focused on Web3 development, involving smart contract and decentralized application development.

Responsibilities:

- Developed smart contracts and Web3 integrations.
- Implemented blockchain-based features and token standards.

Technologies: Solidity, Web3.js, Ethers.js, Node.js, TypeScript

FullStack Developer - Turing Inc (Various projects)

Duration: 06/2019 – 11/2022

Summary:

- Remote full-stack development for Turing Inc, a company that provides remote software engineering talent to global clients
- Worked on multiple projects involving modern web and backend technologies



Responsibilities:

- Developed full-stack applications using Node.js and React.js.
- Implemented microservices and cloud-based solutions.
- Collaborated with international teams and clients.

Technologies: Node.js, TypeScript, React.js, Microservices, Kafka, Postgres, Redis

Co-Founder (Tech Academy)

Duration: 01/2018 – 06/2019

Summary: Co-founded a tech academy focused on training software developers and providing educational resources to enhance technical skills.

Responsibilities:

- Organized and led training sessions and workshops.
- Developed curriculum and educational content.
- Managed academy operations and student engagement.

Senior Front-end Developer - Rabita Bank (Rabita Bank)

Duration: 2014 – 2018

Summary: Developed and maintained front-end applications for Rabita Bank, enhancing user experience and implementing responsive design for banking services.

Responsibilities:

- Developed front-end features using React.js and TypeScript.
- Optimized performance and user interface.
- Collaborated with backend teams to integrate APIs.

Technologies: React.js, TypeScript, Redux, CSS, Bootstrap

Senior Web Developer - Qafqaz University (Qafqaz University)

Duration: 2010 – 2014

Summary: Developed web applications and maintained university websites to support academic and administrative functions.

Responsibilities:

- Designed and implemented web solutions for university needs.
- Maintained and updated existing web applications.
- Ensured website security and performance.

Technologies: Java SE, Web Development

Backend Developer - F5 MMC (F5 MMC)

Duration: 2008 – 2010

Summary: Backend development for F5 MMC, focusing on server-side logic and database management to support business applications.

Responsibilities:

- Developed backend services and APIs.
- Managed database integration and optimization.
- Collaborated with frontend developers for seamless integration.



Web Developer - iCanDo LTD (iCanDo LTD)

Duration: 2004 – 2008

Summary: Web development role involving creation and maintenance of websites and web applications for iCanDo LTD.

Responsibilities:

- Developed and maintained company websites.
- Implemented web design and functionality improvements.

EDUCATION

- **Berkeley Coding Bootcamp**

Researching for bootcamps

01/2018 - 04/2018

- **Azerbaijan Technological University**

Bachelor, Automation and Computer Technologies faculty

09/2004 - 05/2008

