

# AMIRZHAN ALIYEV

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## ABOUT ME

Software engineer with 7 years of commercial experience (JS 7 years, Golang 4 years). Successfully collaborated with both remote and on-site teams consisting of 2 to 20 people. Overall CTO experience - 2 years. I'm a team player who loves working with designers and product managers to strategize on technical roadmaps, initiate sprints, and execute highly intricate projects across both B2B and B2C domains. With a strong grasp of the full software development lifecycle, I excel at guiding team members in making tough tradeoffs between architecture, design, and implementation. I give utmost importance to detail and effective communication to enhance development processes, tools, and workflows, maximizing team productivity. I am dedicated to upholding high-quality standards and have always delivered exceptional software projects within budget and timeline. I can effortlessly translate business briefs into full cycle development, from creating tickets in a task tracker to release to production with seamless CI/CD and analytics. I'm an expert in functional reactive programming and am all about declarative style when it comes to UI implementation. Also, I'm a fanatical open sourcerer. And I'm writing articles from building Real-time Phoenix/Elixir apps, Golang blockchain messengers and delivering top-notch React Web 3 softwares in my blog.

## SKILLS

backend: Go[fiber, echo, gin, gorilla], Node.js[Nest.js, fastify, express, koa], elixir, erlang, dart, k8s, rabbitMQ, kafka, redis, postgresSQL, mongodb, graphql, node:test, assert, eventemitter, rx.js, swagger, jest, vitetest, esbuild, webpack, vite, gulp, web3[solidity, tact, evm, vyper], elastic, s3, minio, elastic, clickhouse, CI-CD[github, gitlab, jenkins, bitbucket, feature flags], grafana, cloudflare, nginx, google cloud platform, firebase, supabase, aws

frontend: js[ts, vue, react, nuxt, next, jest], flutter[stacked, bloc, provider], phoenix framework, cypress, puppeteer, playwright, selenium, web3[wagmi, hardhat, truffle, foundry], web components, websocket, BEM, unocss, @tanstack/react-query, remix, i18n, centrifuge, sentry

other: rust, c++ [wayland, vulkan, gtk, qt], wasm, ruby, lua, python, java, crystal, bash

KISS | GRASP, GoF, Clean code, Clean architecture, DDD, TDD

## CONTRIBUTIONS

LunarVim/LunarVim, diodechain, dataloop-ai, katspaugh/wavesurfer.js, d3/d3-drag, arkokoley/pdfvuer, wojtekmaaj/react-pdf, vuejs/vuex, jesseduffield/lazygit, stylelint/awesome-stylelint, cpsoinos/nuxt-svgo, akinsho/flutter-tools.nvim, storybook, bradtraversy/design-resources-for-developers, dataloop-ai-apps/reference-viewer, go (in gitter), etc

## EXPERIENCE

### [XSOLLA](#) 02/2023 - PRESENT

- Integrated cloud providers into a cloud gaming platform across multiple regions, enabling instant scaling of cloud machines.
- Developed and implemented a game time analytics dashboard with detailed stats and pay as you go payment data, enhancing monetization management.
- Negotiated with international cloud providers, crafted detailed technical requirements and architectural diagrams, and documented them clearly in technical documentation and Jira, boosting integration efficiency and speeding up onboarding for new developers.
- Explored and introduced new features to enhance the user experience in cloud gaming, leading to increased player satisfaction.
- Implemented a referral system, analytics system, OAuth 2.0 authentication, and billing system.
- Writing techdocs about cloud gaming architecture and guides for newbies

**Stack:** Golang, RabbitMQ, Redis, Docker, Kubernetes, Cloud Providers (AWS, Google Cloud), Prometheus, OpenSearch

### [DATALOOP AI](#) 04/2022 - 02/2023

- Spearheaded the integration of top-tier AI tools into the company's platform, leveraging Golang and related frameworks to enhance functionality and performance.
- Wrote comprehensive unit tests to validate software functionality, ensuring robustness and reliability in production environments.
- Designed and implemented scalable solutions for data labeling and management, optimizing efficiency and accuracy in machine learning projects
- A snazzy light Node.js image crawler laced with TypeScript goodness
- Sleek & Beauty Vue 3 PDF Viewer for AI tool
- Awesome Vue3 audio player inspired by WaveSurfer.js and Dribbble! for AI tool
- I've bolstered the authorization and security protocols for the Web3 Phoenix Framework project, remedying any vulnerabilities and implementing convenient containerization for seamless hot-reload development
- D3 Nodes visualization
- Deploying Gatsby & Next.js (+ Contentful) projects
- Mentored junior engineers(TypeScript, GoLang, and little bit lua), providing guidance on software development best practices and Golang proficiency.

**Stack:** VueJS, Javascript, Typescript, Golang, TailwindCSS, UnoCSS, Vite, Vitest, Storybook, Vue-test-utils, Webpack, Docker, GatsbyJS, D3, ReactJS, NextJS, Framer Motion, Contentful

## [DIODE.io](#) 05/2021 - 11/2023

Architected real-time communication protocols and messaging frameworks, ensuring seamless and secure message transmission across distributed networks

- Engineered features to enhance user engagement and interactivity, including multimedia messaging, chatbots, and interactive message elements.
- Collaborated closely with frontend teams to integrate messaging functionalities into web and mobile applications, ensuring a seamless user experience across platforms.
- Played a pivotal role in implementing end-to-end encryption and other security measures to safeguard user privacy and data integrity.
- I've bolstered the authorization and security protocols for the Web3 Phoenix Framework project, remedying any vulnerabilities and implementing convenient containerization for seamless hot-reload development
- Implemented new features and services using Golang, improving system performance and reliability.
- Actively participated in the architectural design and optimization of server-side components of the platform, reducing response times and enhancing user experience.
- Collaborated in the development and implementation of security mechanisms, ensuring data protection and user privacy.

**Stack:** Erlang, Elixir, Phoenix Framework, Golang, Docker, Kubernetes, Blockchain, P2P protocols, Web development, Backend development, Security, e2e encryption, CI/CD.

## [ONEMOVE: Co-founder & CTO Startup in Dubai](#) 11/2021 - 10/2022

Developed real-time web application for tracking deliveries and shipments. Utilized Golang's concurrency features to handle real-time updates and ensure seamless tracking experiences for users

- Developed backend services in Golang to support the marketplace, ensuring high performance and scalability.
- Designing the user interface and user experience
- Designing safety-focused experiences for Shippers and Drivers
- Designing the architecture of infrastructure
- Developing a mobile real-time application for tracking deliveries and shipments
- Connecting with Firebase Analytics & Twilio API
- DevOps-ed in Google Cloud Platform & GitLab CI/CD
- Integration payments & acquiring connection
- Responsible for maintaining application across iOS, Android, and web
- Creating a roadmap, initiating sprints, task & issue tracking
- Managing PostgreSQL, Redis, S3
- Integration with Maps SDKs, Routes API, Places API & SDKs, Directions
- Localization & Internationalization

- Integration with Maps SDKs, Routes API, Places API & SDKs, Directions
- Publishing app and App Store Optimizations (Google Play, App Store, AppGallery)
- Business roadmap and Business Operation. Calculating Unit Economics. Attracting new investors.
- Recruiting & Interviewing new tech staff
- Company registration in the Dubai Free Zone (FZCO) & drawing up contracts

**Stack:** Golang, GKE, Flutter, NestJS, Typescript, Grafana, Loki, Firebase, Supabase, Docker, k8s, nginx, Domain Driven Design, NextJS, TailwindCSS, Gitlab CI/CD, Github Actions, Redis, S3, Swagger, Sequelize, PostgreSQL

Flutter, BLoC, stacked, provider, firebase\_core, firebase\_messaging, flutter\_local\_notifications, firebase\_dynamic\_links, AppsFlyer, retrofit, chopper, socket\_io, facebook\_app\_events, cached\_network\_image, intl, mockito, hive, flutter\_gen, freshchat, google\_maps, qr

## CBC-GROUP 07/2019 - 03/2022

Crafting a marketplace that solves hassle-free finding parts by offering a vast array of parts for trucks, cars, motorcycles, and special-techs. Complex yet accessible product boasts simple UX/UI and clean code, all developed and delivered to meet tight timelines (over 2000 of my commits)

- Built Golang backend services to strengthen the marketplace, ensuring excellent performance and scalability
- Implemented RESTful APIs for data retrieval and manipulation, facilitating seamless communication between frontend and backend systems..
- Development of design system and custom UI components (git submodule)
- Proactively leading and mentoring of the Front-end Development Department
- Development of a search engine on a tree structure using the DFS(Depth-first search) algorithm
- Integrating Sentry.io
- Optimization auto-parts page load time from **3min** to **1.03s**
- Making it a Progressive Web Application (PWA)
- Web request caching and persistence, which reduced the number of requests from **89** to **1** (after first clean request)

**Stack:** Golang, REST API, microservices (later monorepo), VueJS, NuxtJS, Typescript, Docker, k8s, nginx, TailwindCSS, Laravel, Gitlab CI/CD, git submodules

## Freelance 07/2016 - 06/2019

When the story is beginning

- Website development and deployment. Created stunning websites for beauty salons, auto parts websites, and construction companies
- Designed and prototyped websites.

**Stack:** Javascript, CSS3, HTML5, Webpack, Gulp, Gatsby.js, ReactJS, NextJS, Framer Motion, Contentful