Samir Aliyev

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EXPERIENCE

UKG (Ultimate Kronos Group) **May 2023 – Present**

Intermediate Software Developer | Java, Spring Boot, TypeScript, Angular/AngularJS, SQL, Redis

- Architected the new **effective-dated worker types** capability across SQL schema and data migrations, Redis cache changes, internal configuration, LaunchDarkly canary rollout, Java/Spring services, and Angular/AngularJS interfaces for existing enterprise tenants.
- Authored the complete backend API surface and **90+ automated tests** spanning UI/API behavior, integration paths, migration cases, and regressions. Delivered full-suite coverage from the data layer through production rollout.
- Delivered new **AI capabilities for shift incentivization** end to end across backend services, SQL schema and Redis changes, a shared Angular/AngularJS frontend microservice, and UI/API automation. Partnered with technical leads from design through rollout to **hundreds of enterprise customers**, including workforces exceeding **100K employees**.
- Led a production performance initiative that cut API calls slower than five seconds from **approximately 4,000 to 5**, average latency from **approximately 10 seconds to 200ms**, worst-case duration from 120 seconds to five seconds, and related HTTP 500 errors from **approximately 20,000 to 0**.
- Extended a shared frontend service across modern Angular and legacy AngularJS with TypeScript, resolving responsive, browser-specific, and compatibility issues while shipping safely through two generations of business-critical enterprise UI.
- Diagnosed distributed-system defects for major retail and logistics customers using **Splunk, Grafana, and Datadog**, heap and thread dumps, and tenant-level production telemetry. Coordinated fixes across global teams and validated canary releases across customer environments.
- Onboarded and mentored new hires, including a successful referral hire, accelerating ramp-up on architecture, testing, and production workflows. Helped drive AI-assisted engineering adoption and built the team's first hot-reloadable Java WFM development prototype at an internal hackathon.

RentalHunt Inc. **Mar 2022 – Jan 2026**

Founder / CTO (hands-on, part-time) | Python, FastAPI, TypeScript, React, Next.js, PostgreSQL

- Founded and scaled a two-sided rental marketplace to **2,000+ monthly active users, 50K+ visitors, and 100+ paid users**, owning product, architecture, engineering, infrastructure, and production operations.
- Led full-stack architecture and production delivery across React/Next.js, Python/FastAPI, PostgreSQL, Firebase, Stripe, and cloud infrastructure. Optimized the database and deployment model to reduce operating costs.
- Built responsive tenant applications, landlord dashboards, listing and verification flows, role-based access, and internal admin products for managing users, listings, subscriptions, pricing, and operational processes.
- Implemented Stripe subscriptions, checkout, paid-feature controls, and backend entitlement logic, connecting customer-facing monetization with administrative and operational systems.
- Created AI-assisted scraping, lead-generation, and sales-support workflows that produced **5,000+ qualified leads** from competitor platforms.

Ommaty **Jun 2022 – May 2023**

Mobile Application Developer | Flutter, Dart, TypeScript, NestJS, TypeORM, Firebase

- Shipped a cross-platform mobile product through production launch on iOS and Android, resolving platform-specific UI, authentication, browser/webview, and usability issues while iterating from customer reviews and real-world usage.
- Built NestJS/TypeScript/TypeORM APIs, Matrix real-time chat, and Firebase Messaging workflows that increased engagement by **20%**. Automated Jest/Bash QA to improve release reliability.

TECHNICAL SKILLS

Languages: Python, TypeScript, Java, SQL, Dart
Backend & Data: FastAPI, Spring Boot, NestJS, PostgreSQL, Redis, Hibernate, TypeORM, REST APIs, microservices
Frontend: React, Next.js, Angular, AngularJS, Flutter, HTML/CSS, responsive and cross-platform UI **Delivery:** AWS, GCP, Firebase, Vercel, LaunchDarkly, Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD
Quality & Observability: Splunk, Grafana, Datadog, JUnit, TestNG, Jest, UI/API automation, canary releases, AI-assisted development

EDUCATION

University of British Columbia - B.Sc. Computer Science and Data Science **Sep 2018 – May 2023**
International Leader of Tomorrow Award - **fully funded four-year scholarship** Kelowna, BC