

# HAYK HAYRAPETYAN

Senior Software Engineer · Yerevan, Armenia · Open to Remote

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## PROFILE

Senior Software Engineer with 5+ years of experience across mobile and full-stack development. Architected and built a white-label Expo mobile app builder from scratch at Ucraft, replacing a costly third-party solution and eliminating expensive per-app rebuild cycles and bridge plugin costs. Experienced across the full stack — React Native, Expo, Node.js, Go, and serverless backends.

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## SKILLS

**Mobile:** React Native, Expo, Kotlin, Java, Objective-C, Swift, RevenueCat

**Frontend:** React, Next.js, Angular, TypeScript, JavaScript, HTML5/CSS3

**Backend:** Node.js, NestJS, Express.js, Go, gRPC, GraphQL, REST API, Hasura, Edge Functions, WebSockets

**Databases:** PostgreSQL, MongoDB, DynamoDB, Supabase, Firebase

**Architecture:** Microservices, Serverless, Event-driven, White-label multi-tenant, SOLID

**Infrastructure:** AWS (Lambda, DynamoDB), GCP, Docker, CI/CD, App Store & Play Store deployment

**Tools & Technologies:** Git, Jest, tRPC, RabbitMQ, Kafka

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## EXPERIENCE

### Ucraft

Nov 2022 - Present

*Software Engineer — Mobile & Backend*

- Designed and built a white-label Expo mobile app builder from scratch, replacing Median (GoNative) — eliminating costly yearly per-app rebuilds on SDK/OS updates and removing expensive third-party bridge plugin costs; flagship partner apps have reached 122K+ total downloads
- Architected per-partner feature isolation enabling independent theming, branding, and feature sets across 100+ partner apps without codebase forks
- Engineered a custom OAuth 2.0 mobile authentication flow (Google, Facebook) using secure native modals and custom URI scheme redirect with JWT backend token-swap — no existing reference implementation at the time
- Built and deployed a Go microservice on GCP and configured Hasura webhook integrations for Hoory; maintained internal npm packages and tRPC-based backend services; owned App Store & Play Store deployment pipeline

### Stealth Startup — Mobile Dating App (NDA)

Jan 2025 - Present

*Sole Technical Contributor*

- Owned the full mobile and backend stack — subscriptions (RevenueCat), real-time chat, push notifications, matching logic, and UI/UX redesign
- Drove significant performance improvements by profiling and removing redundant code, reducing bundle size and improving runtime speed
- Architected Supabase schema, Edge Functions, and webhooks; set up CI/CD pipelines for automated deployment

### Kiwi Science

Sep 2021 - Nov 2022

*Software Engineer*

- Developed a Forbes-featured reusable container tracking app and an Algorand blockchain application using Angular/NestJS
- Built complex real-time charts and visualisations for a forex trading platform using Angular and GraphQL
- Developed a serverless social platform using AWS Lambda and DynamoDB; built a Slack bot with bolt-js for internal time-tracking

### Freelance Software Developer

Jun 2020 - Sep 2021

*Full-Stack Developer*

- Delivered multi-client full-stack projects including React and Angular Universal (SSR) frontends, a NestJS cryptocurrency tracker, and a Node.js RSS aggregation service
- Refactored and modernised a legacy elderly care platform, improving performance and maintainability

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## EDUCATION

### National Polytechnic University of Armenia

2018 - 2021

*Diploma in Computer Graphic Design · Qualification: Web Designer*

*Attended English language seminars in partnership with the British Council*