

Alex Héritier

Software Engineer · Backend, Payments, Mobile

San Jose, CA · Open to full-time remote roles, working from Vietnam
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Engineer with 10 years of experience building backends, mobile apps, and internal tools for startups and small businesses. Most recently led backend and payments work for a remittance company; before that, co-founded a tutoring company.

Experience

Independent Projects

Nov 2025 - Present

Solo Developer

- Built and run AutoGem Studio, a browser extension that automates in-browser image generation; 115+ registered users. TypeScript, Supabase (auth, edge functions), Laravel.
- Work in an AI-assisted workflow, with changes cross-reviewed by multiple models before merge. Side projects include a solar system simulation and a Rust port of Civilization III.

TNMonex

Jul 2024 - Nov 2025

Backend Lead (Contract)

- Led two other engineers building the Go backend that connects a remittance company's new mobile app to its existing systems: user accounts, payments, and integrations. App was in final client QA at contract end.
- Built a single payment gateway over Stripe and CyberSource: tokenized cards, authorize/capture, voids, cancellations, and rule-based routing between processors.
- Defined requirements with management, and worked day to day with the operations and QA teams.

Schoolbird

Oct 2020 - Jul 2024

Co-founder & Software Engineer

- Owned the Flutter app, website, and admin tools for a K-12 tutoring marketplace; managed two remote frontend developers and worked with operations and marketing.
- Built availability and job-status dashboards and an OpenStreetMap view for matching tutors to students, saving the operations team ~10 hours per week.
- Built live tutor location tracking on a Java backend so families could follow a tutor's arrival; handled flaky connections and noisy GPS.

Beat45

May 2018 - Oct 2020

Senior Software Engineer

- Built the first PHP backend, the Roku app, and the Flutter mobile app (custom video player, RTMP live streaming) for a music video streaming service.
- Led the data migration from the PHP backend to its Rails replacement, writing Ruby tools to map and transform records between the two schemas.
- Sped up slow admin pages by fixing ORM queries and using raw SQL. Cut buffering and evened out audio levels with an FFmpeg worker on EC2, tuned with the in-house DJs.

chao! (formerly Kashin)

Apr 2016 - May 2018

Mobile Lead · Intern, then full-time from May 2017

- Owned the native Android app for a restaurant promotions platform (campaigns, QR-code coupons, loyalty points), then rewrote it in Flutter to ship on iOS as well.
- Built coupon and loyalty features on the Java / MariaDB backend, including the reward-points ledger.

Technical Skills

Languages & frameworks: Go, Java, PHP / Laravel, Ruby / Rails, TypeScript, Dart / Flutter, native Android.

Databases: MariaDB, PostgreSQL, SQLite; schema design, data migration, query optimization.

Services & tools: Stripe, CyberSource, Supabase, AWS EC2, FFmpeg, Git.

Education

San José State University · B.S., Computer Science

2012 - 2017