

HENGLONG SUN

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Professional Summary

Software Engineer with 2 years of experience across full-stack web, mobile and smart TV development, including 1.5 years as a core engineer on a small team at early-stage streaming startup ArtVue. Owns features end to end, from system design and Node.js/MongoDB APIs to React, Next.js and Expo clients, AWS serverless infrastructure and production rollout. Strongest in back-end and real-time systems, subscription payments and measured performance work; Ship quick and safe with Agentic AI. Looking for an opportunity to work with and learn from a great team, building reliable, value-driven solutions.

Education

Bachelor of Science in Computer Science

Brigham Young University – Hawaii, Apr 2025

- **CGPA:** 4.0 / 4.0, Summa Cum Laude. Minors in Entrepreneurship, and Communication and Media Studies.
- **Awards:** Most Outstanding Graduate – Computing and Information Systems Department; Dean's List; Upsilon Pi Epsilon and Phi Kappa Phi honour societies.
- **Competitive programming:** ICPC Pacific Northwest (Hawaii site) Division 1 Champion 2024 and Division 2 Champion 2023.
- **Leadership:** Founded the Computer Science Student Association (50+ students), running 5+ career and technical events.

Key Skills

Languages: JavaScript, TypeScript, Java, C#, Python, C, SQL, Bash, HTML/CSS

Frontend & Mobile: React, Next.js, React Query, Tailwind CSS, React Native / Expo, smart TV apps

Backend: Node.js, Express.js, REST APIs, WebSockets / Socket.IO, OAuth / OIDC, Spring Boot, ASP.NET Core

Databases: MongoDB, PostgreSQL, MySQL

Cloud & DevOps: AWS (Lambda, API Gateway, S3, CloudFront, SES), OpenTofu / Terraform, Docker, GitHub Actions, Vercel, Azure

Payments & Media: Stripe, Google Play Billing, App Store Server API, Amazon Appstore IAP, Roku Pay, FFmpeg, HLS streaming

Testing: Vitest, Jest, JUnit 5, integration testing

AI & Tools: Claude Code, Codex, Cursor, Mixpanel

Problem Solving: System design, concurrency control, security hardening, cost modelling

Career History

Software Developer

ArtVue, May 2025 – Present

Core engineer at an early-stage art-streaming startup, working across the Express/MongoDB API, AWS infrastructure, and the web, mobile and smart TV apps.

- Authored **about 70% of merged pull requests** across the company's six repositories, using an AI-assisted workflow.
- Integrated the mobile app with the API for its launch, which drove **300% user growth**, and took two smart TV apps through store certification and launch.
- Designed and shipped a personalised recommendation feed, then **cut its p95 latency by about 52%** (422 ms to 204 ms) by replacing per-item queries with one indexed aggregation.
- Built a subscription-entitlement ledger that keeps subscription state in sync across **five billing providers**: Stripe, Google Play, Apple App Store, Amazon Appstore and Roku Pay.
- Architected cross-device real-time presence and remote control on AWS WebSockets and Lambda, shared by the web, mobile and TV apps.
- Introduced infrastructure as code (OpenTofu), importing live AWS resources and **removing about 20 unused ones**.

Founder & Developer

In Your Language, May 2026 – Present

Sole developer of a paid live-translation SaaS that delivers a speaker's words to audience phones as translated captions or speech.

- Built the real-time translation pipeline and load-tested it to define its non-functional requirements.
- Implemented Google sign-in and Stripe payments, and ran a pre-launch security audit.

Enterprise Associate Developer (Part Time)

Brigham Young University – Hawaii, Aug 2023 – May 2025

Built and maintained internal enterprise applications on an Agile team (Mendix, ASP.NET Core, C#, React).

- Designed, built, tested and deployed **10+ internal web applications** for university departments.
- **Automated Box offboarding for 500–1,000 former students and staff**, about 20× faster than the manual process.
- Built the English Test Enrollment web app, replacing a spreadsheet-based process for 500+ students a semester.

Android Developer Intern (Part Time)

Accessifiers, Sep 2024 – Dec 2024

Helped a non-profit building accessible education set up its learning platform on Open edX.

- Built a branded Open edX Android app with Microsoft single sign-on, and deployed a customised Open edX instance on Azure.
- Led weekly team meetings and coordinated priorities with the founder.

Software Developer Intern

FamilySearch, Jun 2024 – Sep 2024

Backend and DevOps intern on the world's largest free genealogy platform.

- Delivered 10+ REST API endpoints (Spring Boot, PostgreSQL), making family-tree relationship responses about 3× faster.

- **Raised test coverage from about 70% to 85%** with JUnit 5, and moved CI/CD pipelines to GitHub Actions.

Side Projects

- **wWorkout** ([Video](#)) – Web app for gym-goers to help each other, built on AWS serverless services and microservices.
- **Quick Maikai** ([Website](#)) – Web app using a custom OCR API (Mindee) to automate pre-survey form submissions.
- **Budget App** ([Video](#)) – React app using the Plaid API to track budgets and spending.
- *More projects:* henglongsun.com

Languages

Khmer (native), Vietnamese (advanced), English (professional)

References

Available upon request