

Jason Hall

Software Developer



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☎ 623-206-2944

📍 Omak, WA

🔗 Portfolio Site

🌐 LinkedIn

🐙 Github

Languages

Mandarin

Spanish

Skills

JavaScript / TypeScript

Next.js

Python

SQL

RESTful API

Git

Docker

Open Source Contribution

Ansible

CI/CD (Github Actions)

Jest

Perl

PHP

Go

Django

AWS

API Testing (Postman)

Personal Statement

Full-stack developer and systems engineer specializing in front-end optimization, legacy modernization, and enterprise data applications. Experienced across TypeScript/React, Python, and SQL with a proven track record of accelerating stalled codebases to MVP, engineering atomic state management, and an interest in leveraging modern data platforms.

Work Experience

Software Engineer

Advance Northwest

Mar 2026 – Present | Omak, WA

- **Accelerated EHR MVP delivery:** Salvaged a stalled 6-month-old EHR codebase and successfully launched product MVP within 2 months of arrival.
- **Architected atomic form state management:** Refactored complex, distributed form submission from making 7-15 independent API calls to a unified, atomic transaction model.
- **Eliminated technical debt and dead code:** Enforced TypeScript compilation constraints, reactivated strict ESLint safety rules, and utilized knip to identify and remove dead code.
- **Orchestrated legacy data migrations:** Engineered data cleaning pipelines using Perl to clean and normalize client health data and then loading into Production GCP Cloud SQL instances.

Software Developer

Iconic Results

Sep 2024 – present | Phoenix

- **Built large-scale ETL pipelines** in Go and Perl to normalize millions of customer leads per year for Vicidial and internal systems.
- **Designed and deployed a fully automated Call QA platform** using Python, Faster-Whisper, LangChain, and the ChatGPT API—reducing manual QA workload by **80%**.
- **Developed and maintained internal web applications** using PHP, Perl, JavaScript/jQuery, React, and REST APIs; integrated Salesforce, Quickbase, Boberdoo, Ytel, TrustedForm, and Jornaya via REST/XML webhooks.
- **Created custom MySQL reporting and auditing tools** for compliance, performance tracking, and operational analytics; supported 20+ Linux servers and **200–300 concurrent Vicidial agents** with SIP/Asterisk debugging and database tuning.
- **Automated infrastructure and provisioning** using PXE-boot Linux images, FOG server deployment, Samba administration, Cron workflows, and vulnerability scanning via Vuls.
- **Investigated and resolved a security incident** by identifying a SQL injection attack through Apache logs, implementing prepared statements, and hardening privileged authentication.

Education

Software Engineering (Bootcamp)

Masterschool

BA Anthropology/Minor Mandarin

Iowa State University