SHAWN LONG

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LinkedIn | **GitHub** | **Personal Website**

PROFESSIONAL SUMMARY

Experienced software engineer and technical leader passionate about delivering scalable, high-impact solutions across the full software lifecycle. Adept at building cloud-native systems, driving developer experience, and collaborating across teams to achieve business outcomes.

TECHNICAL SKILLS

Git | Linux Servers | Kubernetes (k8s) | Google Cloud Platform (GCP) | GitHub Actions | CircleCI | GitLab CI | End-to-end Testing (Playwright) | Unit Testing (Jest, Vitest) | REST APIs | Node.js | Angular | React | Vue | Svelte | Express.js | three.js | HTML | CSS | SCSS | Tailwind | JavaScript | Typescript | Java | C++ | Python | Unix Shell | Swift | Mobile Development (iOS/MacOS/Cross-Platform) | SQL | Database Administration | Docker | Tableau | Trello | Asana | Slack | Figma | Google Workspace | Zoom

KEY PROJECTS

- **Online Learning Platform** — Full-stack learning platform with CMS & content editing (SvelteKit, Supabase).

- **MiniFTP** — Containerized private cloud FTP management tool using Docker and SFTP libraries.

- **Mental Health iOS App** — Swift-based iOS app offering daily mood tracking and analytics.
- **Additional Projects** — See more projects and detailed writeups online.

AREAS OF EXPERTISE

Full-stack Development | Critical Thinking | Front-end Technologies | Adaptable | Database Management | Collaborative Problem-solving | Cloud Computing | Effective Communication | Version Control | Client Relations | Security | Testing | Leadership & Development | Back-end Technologies | Troubleshooting | DevOps & Deployment | Quality Assurance

WORK EXPERIENCE

HAVEN MINISTRIES

Software Developer   **2023 – Present**

- Led the rebuild of a backend system using SvelteKit, Vercel Edge Functions, Prisma, and Kysely to streamline podcast royalty management for internal teams.

- Developed a TypeScript microservice with Supabase and serverless functions to sync donation webhooks into a custom CMS.

- Architected CI/CD pipelines and SSL-enabled dev containers to standardize deployments and enhance developer productivity

- Maintained and deployed a cross-platform mobile app using the Titanium SDK, delivering consistent updates for iOS and Android users.

Co-founder & Lead Engineer **2022 – 2025**

- Spearheaded the design and implementation of a scalable, cloud-native microservices architecture using modern DevOps practices and edge hosting for global performance.
- Built a robust RESTful API layer with comprehensive unit and E2E test coverage using Vitest and Playwright, fully integrated into CI/CD pipelines via GitHub Actions.
- Developed a sleek, accessible front-end using SvelteKit, emphasizing developer ergonomics, performance, and seamless UX across devices.
- Mentored a junior developer during the final year of the project, providing hands-on guidance in modern full-stack development and open-source collaboration

Software Engineer II **Nov 2023**

- Joined SpaceX at a Level II engineering position, selected for infrastructure team after dual team offers during onboarding.
- Worked on internal software infrastructure, including containerizing internal developer tools and services and refining CI/CD pipelines.
- Improved onboarding experience by scripting developer environment setup to reduce friction for new engineers.

Advisor, IT & Analytics **2016 – 2023**

- Skillfully worked in tandem with a team of junior to senior engineering professionals, assisting web developer consultants with CICD pipelines and occasionally working with the web team to provide fixes to web codebase.
- Optimized database queries, implemented caching strategies, and created & maintained Linux servers for business needs, while building data pipelines and created data visualization dashboards for the marketing team.
- Led the successful migration of a legacy monolithic application to a microservices-based architecture, significantly reducing system downtime and simultaneously enhancing application maintainability.

EDUCATION

Bachelor of Science (Summa Cum Laude), Computation Mathematics | University of California, Riverside – Riverside, CA

Relevant Coursework: Data Structures & Algorithms, Software Construction, Software Engineering, Discrete Math, Linear Algebra, Numerical Analysis, Optimization

Associate of Science (Hons.), Mathematics & Science | Riverside Community College – Riverside, CA

Associate of Arts (Hons.), Communication, Media & Languages | Riverside Community College – Riverside, CA

Associate of Arts (Hons.) Philosophy & Arts | Riverside Community College – Riverside, CA