

Skills & Technologies »

- Languages - TypeScript, JavaScript, Python, PHP, SQL, Bash
- Backend & APIs - Node.js, Laravel, Symfony, Flask, REST APIs, OAuth 2.0, integrations, WebSockets
- Frontend - HTML/CSS, Responsive Design, React, Svelte, Vue, Vite, esbuild, Playwright, Chrome Extensions, Sass
- Data - PostgreSQL, MySQL/MariaDB, SQLite, Redis, PostGIS, pgvector
- Cloud & Operations - AWS (EC2, Lambda, S3, RDS, IAM, VPC, Route 53, ALB/NLB, SQS/SNS, AMIs, Transfer Family, CloudWatch, Elastic Beanstalk, ECS), Docker, Terraform, Linux (Ubuntu, Debian, RHEL), CI/CD, GCP, Azure
- Observability - Grafana, ELK, Datadog, Graphite/StatsD, InfluxDB
- Security & Domain - PCI DSS, OAuth/identity, OWASP, payments/subscriptions, payroll/timekeeping, eCommerce, analytics

Experience »

SpotOn - Senior Software Engineer

San Francisco, CA - remote; Dec 2023 - Aug 2025

Restaurant POS, multi-tenant payroll, timekeeping, tips and gratuity, and back-office automation.

- Led architecture and delivery of a greenfield Go/TypeScript/React timekeeping platform on PostgreSQL, extracted from legacy PHP and serving hundreds of restaurants and thousands of employees.
- Took Earned Wage Access from discovery and vendor evaluation through design, implementation, pilot, stakeholder alignment, and production launch across payroll, tips, and gratuity.
- Architected and implemented a staged FTP-to-SFTP migration for ~20 payroll partners using AWS Transfer Family, Lambda, RDS, S3, IAM, and VPC networking, eliminating plaintext PII while preserving uninterrupted partner access.
- Modernized partner integrations, reporting, and internal authentication onto Laravel/AWS across MySQL, PostgreSQL, and MongoDB while the legacy platform stayed live; carried on-call for timekeeping, tips, and payroll products.
- Owned US side of technical interview pipeline for US/India engineering expansion, 50+ interviews with ~10 hires.

Independent - Software Engineer

San Diego, CA; Aug 2025 - Present

Independent engineering engagements spanning data platforms, cloud infrastructure, applied AI, generative and creative tooling, and full-stack product development.

- Engineered custom ComfyUI nodes in Python and JavaScript, including a responsive canvas-based masking node using WebWorkers that studio artists adopted over the built-in workflow.
- Built a GPU-accelerated C# digital-signage application delivering smooth, high-framerate Ken Burns-style media playback.
- Replaced a full-browser acquisition layer with browserless HTTP, increasing sustained throughput from roughly 20-50 to 200+ requests per second while preserving session and browser-behavior requirements; built custom proxy infrastructure and a control surface with failover, orchestration, and full observability.

Independent - Software Engineer

San Diego, CA; Aug 2022 - Dec 2023

Independent product and web-application engineering spanning financial publishing, Commerce, and selected CMS work.

- Extended Model Investing with Laravel-backed economic data, from-scratch retirement and investment calculators, performance dashboards, charting, and a responsive financial-publishing platform.
- Delivered WordPress, Shopify, and eCommerce work on the self-authored Bootstrap 5/Vite/Sass Boilerplate framework.

Alsoa - Software Engineer

San Diego, CA; Aug 2021 - Aug 2022

Cookieless attribution and server-to-server conversion-tracking platform.

- Designed server-side identity reconciliation across customer, order, advertising-click, and CRM identifiers, enabling attribution from ad spend through CRM outcomes without browser cookies.
- Built the event-ingestion and conversion-delivery pipeline in TypeScript and Python, a React administration dashboard, and the GCP production environment across Cloud Functions, Pub/Sub, Firestore, and Firebase.

YourSix - Senior Software Engineer → Director of Engineering

Roseville, MN - remote; May 2020 - Jun 2021

Cloud-based physical-security and video-management platform.

- Designed and shipped the production Svelte single-page application for live video, playback, and device control, integrating Auth0/OAuth and delivering the customer-facing experience ahead of a hard external deadline.
- Promoted to Director of Engineering, grew the organization from 3 to ~10 across the US and Sweden through hiring and planning, and remained a substantial hands-on contributor.

ServiceAbility - Co-founder & Founding Engineer

San Diego, CA; Jun 2019 - Jan 2021

Commercial and residential internet serviceability, pricing, qualification, and onboarding platform.

- Co-founded ServiceAbility as sole technical founder, building the full platform for telecom serviceability, pricing, qualification, and contract onboarding.
- Built live-lookup automation across 20+ ISP provider surfaces and interface-drift detection that reported changes and quarantined affected integrations until repaired.

Ebates / Rakuten - Senior Software Engineer → DevOps Engineer

San Diego, CA; May 2015 - May 2019

Cash-back rewards, authentication, payments, and eCommerce platform.

- Architected and implemented Rakuten's centralized US OAuth 2.0 platform in PHP/Laravel, serving consumer, mobile, and service-to-service authentication and processing millions of requests during peak shopping events.
- Built the Node.js execution platform behind a PCI-DSS-compliant universal shopping cart, automating product normalization, cart creation, vaulted-payment checkout, and cashback validation across 30-40 storefronts; led the technical workstream for Rakuten's first successful US PCI DSS audit.