



## ThreatMatic™

Orange County, CA

Software Engineer

'23-'24

- **Owned and drove the React-Inspired, SvelteKit, front-end**, shipping dynamic, mission-critical user-facing, and B2B features at scale nightly in our start-up ecosystem with [Typescript/JavaScript frameworks](#) - now used by **~100 users across five client companies**.
- **Produced 100x faster page load times** with several layers of caching across our [NodeJS](#) servers, [Docker](#) Containers, [SQL](#) Stored Procedure optimizations, and migrating Server-Side Rendered ([SSR](#)) pages to Single-Page applications ([SPA](#)).
- **Boosted profits by 20%** by leveraging an [InfluxDB time series](#) database to build interactive JavaScript visuals under a premium tier subscription.
- **Enforced security best practices** by building custom JSON Web Token ([JWT](#)) Authentication & Authorization ([AuthN](#) & [AuthZ](#)) Components with password-less & passkey login, Role-Based Access Controls ([RBAC](#)) and rigorous form validation.
- Drove a **zero-downtime adoption of GraphQL** via [Hasura](#) yielding immense productivity gains that we **dropped hiring demand for another developer** to manage the API and data layers.
- **Managed PostgreSQL relational database design**, migrations, query optimizations, [PL/SQL](#) programs, and schema maintenance - an effort that dramatically simplified convoluted business logic for incoming developers and interns.
- **Managed API layer end-to-end** including upkeep of GraphQL endpoints, [RESTful HTTP](#) APIs, [gRPC](#) APIs, state management, and evangelizing design patterns across our dev team to hit **near daily deployment velocity**.
- **Served in product and design senses** by fostering a culture of pixel-perfect User Interfaces (UI) and UX with [TailwindCSS](#), component-based UIs, [CSS Flexbox & Grid](#), CSS Animations and [mobile-responsiveness](#).
- **Seamlessly deployed infrastructure across various Linux environments** for clients with [Docker](#), Google Cloud Run ([GCP](#)), [AWS S3](#), [GitHub Actions](#), [Vercel](#), [Reverse Proxies](#), and Microsoft [Azure Virtual Machines](#).
- **Stepped up to complete miscellaneous tasks by collaborating across many functions in our start-up ecosystem**. I built a custom build system for MacOS and Windows executables, re-engineered our flagship product in [Go](#) for MacOS, created a custom [SvelteKit](#) autocomplete feature inspired by [NextJS](#) and contributed to product, design, marketing, operations (on-call support for clients), code-reviews, and client-sales meetings.

## Walmart Global Tech

Bentonville, AR

Software Engineer II

'22-'23

- **Led migration to next-gen event-driven streaming technology** ([Kafka](#) and [GCP Pub/Sub](#) wrapper) across distributed systems in the pricing team environments.
- **Passed Cloud Native architecture exam** to deploy into the [Walmart Cloud Native Platform](#) and safely manipulate Docker containers in [Kubernetes](#) across [canary deployment](#) environments.
- **Dramatically boosted logging performance** by seamlessly introducing [NoSQL Cassandra](#) databases into the data layer.
- **Delivered API endpoints and back-end deliverables** in a [Java Spring](#) ecosystem under a Test Driven Development ([TDD](#)) methodology complete with end-to-end ([E2E](#)), [integration](#), and [unit tests](#) within a robust agile software development lifecycle ([SDLC](#)). Rotated on on-call support.



Master of Science in Computer Science (CS Teaching Assistant)

'20-'22

Bachelor of Science in Computer Science (**Major GPA: 4.000**)

'18-'22