

ROSS SHEPPARD

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A dynamic, team-spirited, and performance-driven individual with leadership, business, and manufacturing industry knowledge-seeking career advancement within the software engineering field.

+ EMPLOYMENT *(most recent shown)*

- Tesla | Lead Software Engineer

Jan 2024 - Present

 - Drive Design System transformation as de facto technical manager: engineer next evolution of the system using Lit (web components) for Angular, React, Svelte, and Vue support, ensuring seamless consistency across hundreds of UIs.
 - Champion cross-team adoption and product strategy: engage design partners, gather feedback from teams like Vehicle Software, implement analytics/telemetry services to track internal usage, impact, and roadmap.
 - Govern 70+ repositories serving all internal frontend teams: ensure seamless releases, bug fixes, quality assurance, and zero disruptions for company-wide applications, demonstrating operational leadership.
 - Collaborate closely with Design team to align components with Tesla's brand guidelines, incorporating certified themes, accessibility, and performance optimizations for enhanced user experiences.
 - Lead core team meetings, feedback/consulting sessions, and project management using JIRA; mentor contributors to foster collaboration, talent growth, and efficient delivery in a large-scale environment.
 - Oversee maintenance and development of legacy (v0-v10) and future TDS versions , components, and integrations: strategize standards and workflows for cross-team scalability and efficiency.
 - Directed and contributed to the development of LLM trained on TDS documentation and standards: guided projects for TDS CLI integration, enhancing team efficiency in querying design guidelines and fostering knowledge sharing.
- Sumo Logic | Sr. Software Engineer II

Jan 2021 - Jun 2023

 - Led and mentored a team of six developers to deliver an enterprise-grade high-throughput metrics product.
 - Spearheaded a unified experience initiative that aligned the core platform and two acquisitional products under a cohesive brand personality, design system, and React component library.
 - Created initiatives to migrate from an existing monolithic application to a feature-sliced Rush.js monorepository and to stand on the shoulders of giants by adopting MUI's Material UI.
 - Developed and maintained positive relationships with stakeholders, including the UX/UI team, to design features and experiences for varying user personas as well as improving the design and engineering handoff.
 - Actively contributed to the company's technical strategy and roadmap, identifying and proposing new technologies and practices to improve development processes, while ensuring alignment between technical and business goals.
 - Architected a Node-based GraphQL normalization service layer to offload processing from the client to the server.
 - Refactored the E2E test suite, resulting in a 74% decrease in time to completion and a 23% increase in success.
- Other Employment

2014 - 2020

 - Sr. Full Stack Developer, AllClear ID Inc. (2018-2020)
 - Senior Digital Consultant, Intersys Consulting (2017-2018) [Contract to Hire: AllClear ID Inc.]
 - Senior Systems Engineer II, HP & Hewlett Packard Enterprise (2014-2017)

+ EDUCATION

- Baylor University

2014

B.S. Electrical & Computer Engineering

Baylor IEEE, ASME, and Engineers with a Mission

+ PERSONAL PROJECTS

- Project Fusion (fusion.dev)

My side project focuses on selling templates, integrating Bitcoin, and developing generative AI code mods for technical transformations. The app features two variants—Next.js and Vite—organized within a feature-sliced Nx monorepo, implements Supabase, is deployed with Vercel, and is built using React and Material UI.

Wanna see how it's evolved? Visit [v0.fusion.dev](#) as well.

+ SKILLS

- General

Agile, analytical, collaborative, motivated, adaptable, resonant leader, troubleshooter
- Languages

HTML, CSS, JavaScript & TypeScript (Angular, React, React Native, Svelte, Vue), Python, Go, Rust, Dart
- API

GraphQL, gRPC, REST, SOAP
- Databases

NoSQL (MongoDB, Firebase), SQL (MySQL, Postgres, SQLite), Prisma
- Deployment

Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Vault, GCP, AWS
- Other

WASM, Material UI, Next.js, Vercel, Apollo, Guild, Cypress, Jest, FullStory, LaunchDarkly, Sanity, Sentry, Snyk, GitHub API, Remix, Slack API, Vite