Vardan Vanyan

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Skills

Languages: JavaScript, TypeScript, HTML, CSS
Frontend: React, Next.js (SSR, Server Actions), Redux, Zustand, Tailwind CSS, Storybook
Backend: Node.js, Express.js, PostgreSQL (Prisma ORM), MongoDB, REST APIs, WebSocket
Cloud & DevOps: AWS (S3, EC2, Lambda), Docker, GitHub Actions, CI/CD
Testing: Jest, Vitest, Playwright (E2E), React Testing Library, TDD

Experience

Software Engineer, Ryddo – Los Angeles, CA   Jan 2025 – Present
- **E-commerce Platform Redesign:** Architected and implemented a full redesign using headless BigCommerce with Next.js, Typescript, and Tailwind CSS, collaborating with stakeholders and UX/UI teams to align with brand standards.
- **Headless CMS Implementation:** Designed Contentful content models that decoupled engineering efforts within our Next.js application, enabling content creators to A/B test and deploy features independently.
- **Component Development:** Built responsive and accessible UI components integrating with BigCommerce Catalyst, optimizing for SEO performance and maintaining consistent user experience.
- **Design System Migration:** Streamlined UI/UX workflow by migrating WordPress and PSD-based content into Figma, enabling high-fidelity component development and faster design iteration.
- **Data Migration Automation:** Developed a custom Node.js script that converted WordPress CSV product exports into BigCommerce-compatible format, automating the import of 350+ products.

Software Engineer, Chris N Eddy's – Los Angeles, CA   May 2023 – Jan 2025
- **Inventory Management System:** Developed a comprehensive inventory tracking and forecasting tool that optimized stock levels and automated purchase orders, reducing monthly spending by 25%.
- **Reusable Component Architecture**: Designed and implemented a comprehensive component library with Storybook, reducing UI development time across 3 internal tools and ensuring UI/UX consistency.
- **Secure Authentication System:** Architected OAuth 2.0 authentication flow with Clerk, implementing custom webhook handlers for MongoDB data persistence, and maintaining a seamless user experience.
- **Comprehensive Testing Infrastructure:** Implemented testing strategy with CI/CD automation, achieving 81% coverage on frontend components, reducing production bugs through the integration of Vitest and React Testing Library.
- **End-to-End Testing Framework:** Designed and maintained Playwright E2E test infrastructure covering 15+ critical user journeys, enabling safe deployments with a detection rate for regressions.
- **Performance Optimization:** Enhanced application throughput using Next.js Server Actions, optimizing CRUD operations and S3 image processing workflows.

Software Engineer, MicrObserv – Remote   Aug 2022 – May 2023
- **Cross-platform Monitoring Application:** Architected and developed Electron and React monitoring application for microservices, processing metrics from 200+ distributed services.
- **Real-time Data Streaming Architecture:** Engineered WebSocket-based data streaming system with custom React hooks and context providers, managing socket state across 15+ dashboard components while maintaining low latency.
- **Interactive Data Dashboard**: Developed comprehensive monitoring interface using Chart.js and D3.js that visualized error logs, distributed traces, and service health metrics (p99 latency, throughput, error rates).
- **SEO-optimized Web Platform:** Developed core features of the product website using Next.js, implementing advanced SEO optimizations that achieved 95+ Lighthouse scores and increased organic traffic.
- **Frontend Performance Engineering:** Enhanced application performance by implementing Webpack optimizations, resulting in faster application load speeds, and a 20% reduction in bundle size.

Education

California State University, Los Angeles – Bachelor of Science in Biology