

Victor Marks

Software Engineer

vjmarks@gmail.com
408-507-2347

Profile

Experienced Software Engineer with a strong background in front-end development, cloud infrastructure, and full-stack applications. Proven track record of delivering scalable solutions that improve user experience and reduce operational costs.

Skills

Front-End: React, TypeScript, JavaScript (ES6+), Next.js, HTML, CSS/SASS, Redux, Context API, Performance Optimization, Vite, Vitest, React Testing Library, Playwright
Back-End: Node.js, Express, PostgreSQL, REST API Design, Authentication/Authorization
Cloud & DevOps: AWS, Oracle Cloud Infrastructure (OCI), Docker, Terraform, CI/CD pipelines, Grafana, Adobe Analytics

Experience

Software Engineer
Jan 2020 - Jul 2024

Led development of a two-way ticketing system using Oracle's internal React framework, streamlining communication between cloud customers and security engineers and reducing cumulative response times by 2.5 days
Bootstrapped the Data Loss Prevention front-end from the ground up, building reusable React components, implementing client-side validation, and integrating with secure APIs to assess risk, classify results, and recommend actions for securely handling customer-uploaded object storage data
Redesigned the container instance shape picker UI by expanding available shape options by 50% and enabling dynamic CPU core and memory customization, resulting in a 30% reduction in user configuration time for thousands of container deployments each month
Implemented front-end support for private registry vault secrets and Linux security contexts in containerized workloads, strengthening the security posture of Oracle's Container Instances
Delivered autoscaling, load balancing, and observability for Oracle Kubernetes Engine, integrating node cycling, automatic version upgrades, Istio, ingress controller, and dashboards - saving customers over \$1M annually in over-provisioning costs

Software Engineer Intern
Nov 2018 - Dec 2018

Rebuilt cosmetic e-commerce platform using Gatsby and GraphQL, improving SEO scores by 25% and reducing page load time from 2.7s to 1.3s via static site generation and CDN caching
Visualized sales data with dynamic SVGs of the United States and reduced build time by 80% through Webpack config optimization
Integrated real-time chat and content management tools using GraphQL and third-party APIs

Software Technician
Mar 2014 - Feb 2017

Trained 12+ staff in 3D modeling tools and QA best practices, reducing onboarding time for new hires by 50% and improving model accuracy in surgical planning software
Validated software for 3D dental guides, ensuring precision in dental implant surgery planning

Education

University of California, Santa Cruz
B.S. in Molecular Biology
Jan 2013