

Victor Marks

Software Engineer

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[in](#)

About

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.

Experience

January 2020 - July 2024

Software Engineer

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

November 2018 - December 2018

Software Engineer Intern

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

March 2014 - February 2017

Software Technician

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

2009 - 2013

B.S.

Molecular Biology

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