



# Victor Marks

Software Engineer

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## BACKGROUND

### ☐ 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.

### ☐ WORK EXPERIENCE

#### **Software Engineer, Oracle**

Jan, 2020 - Jul, 2024 ☐ 4 years 6 months

- 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, Faneron**

Nov, 2018 - Dec, 2018 ☐ 1 month

- 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, Anatomage

Mar, 2014 - Feb, 2017   □ 2 years 11 months

- 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



## 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



## EDUCATION

**Molecular Biology, B.S.**, University of California, Santa Cruz

Jan, 2009 - Jan, 2013