

# Guilherme Isaac Sá

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website: [guilsa.com](https://guilsa.com)

## TECHNICAL SKILLS

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- **Technologies:** Vue3, Vite, Pinia, Vitest, TypeScript, CSS, React Native, Ruby, Python, Rails, Flask, Django, Docker

## WORK EXPERIENCE

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### doxo | Front-End Engineer | San Francisco

Aug 2022 - Jan 2025

*Pay household bill online*

- Led web / mobile development for Credit Score, Identity Protection, and Provider Search products.
- Contributed to monolith modernization (Rails / Vue); updated Ruby versions, gems & Docker images to enable new Rails versions.
- Modernized Vue front-end & Rails middle-layer, tackling tech debt & refining API contracts with stakeholders.
- Migrated critical payment widget from EC2 to S3 using AWS CloudFormation, enhancing security and reducing infrastructure overhead.
- Reduced Airbrake logging costs through targeted filtering across multiple services, preventing extra costs from plan tier upgrades.
- Implemented Content Security Policy for PCI 4.0 compliance, reducing XSS attacks by hardening doxo's cardholder web application.
- Developed analytics-driven CSP deploy strategy with CTO, Engineering Directors and Dev Manager.
- Created POC using *nonce* to replace "unsafe-inline" for Google Tag Manager, enhancing external script security.
- Resolved 90+ web vulnerabilities (30+ critical/high) on GitHub Dependabot and created an expedited remediation workflow.

### Independent Consultant | Full-Stack Engineer (Multiple Companies)

Aug 2019 - Aug 2021

- Developed and deployed React16 mobile web healthcare app in 2 months, reducing mobile drop-off by 40% (UpLift).
- Evaluated / deployed open source ERM solutions via Docker / ngrok tunneling for content marketing agency COO (Spiralytics).
- Migrated web services from Django REST to GraphQL for B2B lead-gen SaaS, adding 60+ Jest tests (HipLead).

### Karmic Labs / Prepaid Technologies | Software Engineer | San Francisco

Apr 2017 - Aug 2019

*Card payment solutions (React, React Native)*

- Led full-stack development for \$30MM Series-C banking / debit solution, transitioning from front-end to back-end middle layer roles.
- Optimized user onboarding with document upload, compliance checks, fraud verification, and financial transaction flows.
- Executed React Native upgrade (0.42 to 0.55) and two front-end rewrites that enhanced compliance flexibility and tier upgrades.
- Contributed to Python / Flask REST APIs & Celery triggers via maintenance & enhancements.
- Advocated for component reusability and helped maintain a robust 220+ component library across all applications.
- Ensured cross-platform feature parity across 3 brand implementations (Lowe's PRELOAD, dash, BizNOW) in React and React Native.
- Supported internal React admin tool used by 20+ operations staff for compliance auditing and approval workflows.
- Mentored new senior back-end team on front-end architecture, securing continued use of ImmutableJS / React / Redux stack.
- Maintained build infrastructure with custom polyfills, Webpack and Babel configurations to solve complex integration issues.

### Oracle | UI Engineer | Redwood City

Sept 2016 - Mar 2017

- Contributed to Oracle's JET component system (Knockout.js, HTML / CSS) as part of the UI Developer Experience team.
- Guided business decisions on style guide implementation, theming solutions, and API design for enterprise UI components.
- Built tablet prototype for Oracle's Global Sales division, pioneering new user experience patterns for web-based CRM.

## EDUCATION

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*Computer Architecture, Hardware / Software Interface (1-Month Course)*, Bradfield School of Computer Science

2018

*Certified ScrumMaster*, Scrum Alliance

2013

*B.A. Public Relations, Advertising, and Applied Communication*, City University of NY

2007