Guilherme Isaac Sá

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TECHNICAL SKILLS

- **Focus:** Design Systems, Scalable CSS, Agile Planning, Scrum Master, Vue3, Vite, Pinia, Vitest, TypeScript, CSS, React, React Native, Ruby, Python, Rails, Flask, Django, Docker, Ansible, Kubernetes, AWS Services

WORK EXPERIENCE

doxo | Front-End Engineer | San Francisco   Aug 2022 - Jan 2025
Pay household bill online (Vue.js 3, Vite, Pinia, Vue Test Utils, Ruby on Rails, AWS, Kubernetes, Datadog and Airbrake)

- Delivered key initiatives: UI development across monolith services, Airbrake cost reduction, AWS EC2 retirement, marketing landing pages, modernizing pay widgets for scalability. Owned development of 3 micro-frontend apps (Credit Score, Identity Protection, Provider Search) in 3 months with 80% test coverage.
- Supported user acquisition and provider funnels. Development of maintainable, well-documented UI solutions with Copilot, Gemini and Cursor.
- Principal expert for expedited resolution of +100 Dependabot CVE alerts (NPM, RubyGems vulnerabilities).
- Principal expert (front-end) for Airbrake optimizations. Reducing noisy errors cut costs and improved Dev UX.
- Principal expert for Content Security Policy standards, guiding 50-person engineering organization on browser security (CSP) strategy and implementation.
- Secured doxo's Cardholder Environment for PCI 4.0 readiness. Tightened against client-side and supply-chain attacks (i.e., XSS, GTM vulnerabilities).
- Collaborated with TechOps on the migration and rolling deployment of critical, high-volume payment infrastructure for a customer-facing payment widget, moving from EC2 to S3 on AWS CloudFormation to achieve high-scalability and high-availability.
- DevOps rotation duties. On-call resource for escalations / deploys. Version tracking and release management with git tags. Worked closely with the QA manager to monitor the health of the release (pre, during, and post). Stack involved Confluence, Jenkins, Kubernetes, Datadog, Airbrake and PagerDuty.

UpLift | Software Engineer   Apr 2021 - Aug 2021

- Founding engineering team member of incubated startup in health space.
- Took a React 16 web prototype to full mobile friendly in 2 months. Work included modularizing CSS and migrating portions of the codebase to a newer Material UI component library.
- User flows included patient / provider matching, in-app dashboards, and video calling. Mobile drop-off rate reduced by 40% as well as bug reduction to our CSS system.

Personas | Software Engineer   Aug 2019 - Apr 2020

- Migrated back-end web service to GraphQL and deprecated Django REST endpoints.
- Migrated 15+ components to TypeScript. Wrote 60+ unit tests. Helped raise test coverage from 56% to 78%.
- Mentoring back-end team about modular front-end CSS and component design around Vue.js, Material Design.

- Owned UX overhaul and back-end architecture migrations for two major feature sets. Deprecated legacy system towards a GraphQL based service, tests and user flows.
- Visual, interaction, and usability improvements to the app, Migrated numerous front-end components to TypeScript and raised overall code coverage from 60% to 80%.
- DevOps monitoring responsibilities included performing daily health checks to our systems, reviewing Sentry logs, triaging and helping assure fixes were deployed.
- Reliably shipped code with 100% coverage, including API service and user permission testing with Graphene.
- DevOps rotation duties. Monitored six Docker services, reviewed Sentry logs and triaged fixes.
- Led improvements/refactorings in Vue.js and Material Design. Promoted modular CSS and component design.

Karmic Labs / Prepaid Technologies | Software Engineer | San Francisco   Apr 2017 - Aug 2019
B2B & B2C Debit card payment solution (React, React Native, Python, Flask, PostgreSQL)

- Led front-end and back-end middle layer roles for $30MM Series-C banking / debit solution. Cross-platform feature parity across 3 brand implementations (Lowe's PRELOAD, BizNOW, dash) in React and React Native.
- Optimized user onboarding with document upload, compliance checks, fraud verification, and financial transaction flows. Advocated for component reusability and helped maintain a robust 220+ component library.
- Rolled out two major UX improvements in collaboration with Product / Compliance teams to make user onboarding funnels more flexible and intuitive. We pioneered issuing virtual debit cards instantly and added a Load Funds flow to the user onboarding funnel. We successfully migrated React and React Native versions.
- Customer-facing improvements requiring back-end maintenance in Python / Flask REST APIs, Celery task queue triggers, and troubleshooting PostgreSQL app models edge-cases impacting user experience.
- Supported internal React admin tool used by 20+ operations staff for compliance auditing / approval.
- Supported engineers on front-end architecture. Secured continued use of ImmutableJS / React / Redux stack.
- Maintained build infrastructure for 3 brand flavors requiring custom polyfills, Webpack and Babel configurations to resolve integration issues around business brands and custom builds.

Oracle | UI Engineer | Redwood City   Sept 2016 - Mar 2017

- UI Developer part of Oracle's User Experience team. Contributed to Oracle's JET component design system.
- Guided business decisions on style guide implementation, theming, API design for enterprise UI components.
- Built tablet prototype for Oracle's Global Sales division, pioneering UX patterns for web-based CRM.

EDUCATION

AWS Certified AI Practitioner	*2025*
Computer Architecture (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