

FLAVIO GOUVEIA

SENIOR FRONTEND & MOBILE ENGINEER · REACT · REACT NATIVE · NEXT.JS · TYPESCRIPT

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SUMMARY

Senior engineer with 9+ years building web and mobile products for US and Brazilian companies. At TED Conferences, I work on the front end of TED.com — 20M+ monthly visitors — and build the TED mobile app in React Native, with 30M+ downloads on Android alone. Before TED, I shipped two cross-platform React Native applications to the App Store and Google Play. Beyond features, I own the quality surface of what I ship: Playwright and Jest testing, New Relic and Bugsnag observability, web performance, and WCAG 2.1 AA accessibility. I work spec-driven and test-driven with AI coding agents, with human review as the quality gate. 5+ years remote with distributed US teams.

SHIPPED PRODUCTS

TED.com — 20M+ monthly visitors **TED App** — React Native, 30M+ downloads
RadStar Alpha Series — React Native, iOS + Android **Melanin Medical Specialties** — React Native, iOS + Android

CORE SKILLS

MOBILE	React Native, iOS, Android, App Store and Google Play releases, mobile release management, mobile performance, crash reporting
FRONT-END	React, Next.js, React Server Components, App Router, Server-Side Rendering (SSR), Static Site Generation (SSG), Tailwind CSS, design systems, component libraries, responsive design
LANGUAGES	TypeScript, JavaScript (ES6+), HTML5, CSS3, Node.js, Java (foundational)
QUALITY	Jest, React Testing Library, Playwright (end-to-end testing), unit testing, integration testing, test coverage, Test-Driven Development (TDD), code review
RELIABILITY	New Relic (APM, Real User Monitoring), Bugsnag (error tracking, crash reporting), monitoring, alerting, incident response, root cause analysis
ACCESSIBILITY	WCAG 2.1 AA, ARIA, semantic HTML, keyboard navigation, screen reader testing
AI-ASSISTED	Claude Code, AI coding agents, agentic workflows, spec-driven development, prompt engineering, code review of AI-generated code, responsible AI use
BACK-END	REST APIs, GraphQL, Fastify, Express, PostgreSQL, MySQL, Firebase, headless CMS (Prismic), Docker, AWS, CI/CD, Git, Agile, Scrum

PROFESSIONAL EXPERIENCE

Senior Full-Stack Engineer – TED Conferences

New York, USA · Remote

Front-end engineer for TED.com and the TED mobile app, working across product, design, and back-end teams in multiple time zones.

- Front-end development of TED.com, a platform serving **20M+ monthly visitors**, by architecting page rendering and content delivery in Next.js, React, GraphQL, and Tailwind CSS.
- Sustained performance and stability on a React Native app with **30M+ downloads on Android alone**, by monitoring production health and release stability in New Relic and prioritizing fixes by user impact.
- Delivered a library of **3,000+ talks with subtitles in 100+ languages** to a global audience, by building localization-aware, content-driven experiences on Prismic CMS.
- Protected release quality across web and mobile codebases, by owning Playwright end-to-end suites and Jest unit coverage in the CI pipeline and blocking regressions before they reached production.
- Made core page templates accessible to screen reader and keyboard-only users, by implementing WCAG 2.1 AA standards — semantic HTML, ARIA, and focus management — into the component library.
- Increased delivery throughput without lowering the quality bar, by working spec-driven and test-driven with AI coding agents (Claude Code) — specifications and failing tests before implementation, with human code review, test coverage, and scoped agent permissions as non-negotiable gates.

Apr 2023 - Present

Senior Software Engineer – Popstand

Aug 2021 – Apr 2023

California, USA · Remote

Senior engineer in a US product studio, delivering web and mobile products for multiple concurrent clients and working directly with stakeholders from scoping through launch.

- Shipped **RadStar Alpha Series** to the App Store and Google Play for Spruce Environmental Technologies, a tablet-first field application for professional radon testers, by building — from a single React Native codebase for iOS and Android — the workflows that control continuous radon monitors and sync test results, reporting templates, and quality-control records to a cloud platform.
- Shipped **Melanin Medical Specialties** to the App Store and Google Play, a cross-platform React Native app connecting healthcare professionals and students, by delivering mentor matching, a searchable community provider directory, and peer-support features.
- Delivered production web platforms for US clients — including Evo.art, Spruce (RadStar / RadonAway), and Christian Connector — by owning front-end architecture in React, TypeScript, and Next.js.
- Launched a Web3 digital art marketplace, by integrating wallet connection, smart contract interactions, decentralized asset storage on IPFS, and real-time Algolia search into a headless React architecture.
- Safeguarded code quality and post-launch stability across concurrent client codebases, by building Jest test coverage into delivery and instrumenting New Relic performance monitoring and Bugsnag error tracking.

React Native · iOS · Android · App Store · Google Play · React · TypeScript · Next.js · Firebase · Fastify · Algolia · IPFS · Web3 · Jest · New Relic · Bugsnag

Senior Full-Stack Engineer – Supero TI

Sep 2019 – Aug 2021

Florianópolis, Brazil

Full-stack engineer in a 7-person team building mission-critical maintenance systems for Engie's power generation assets across Brazil.

- Enabled coordinated maintenance shutdowns across hydroelectric, thermoelectric, and wind power plants operated by Engie nationwide, by building the React operational interfaces and Node.js/TypeScript APIs plant operators depend on.
- Delivered the full stack of a system where downtime carried direct revenue and regulatory consequences, by hardening API error handling and optimizing high-volume asset queries on Oracle Database.
- Standardized development environments for a **7-engineer team**, by containerizing the application stack with Docker.

React · Node.js · TypeScript · Oracle Database · Docker · REST APIs

Software Development Lead – GETMORE Brazil

Jun 2018 – Sep 2019

Florianópolis, Brazil

Technical lead for a loyalty and engagement platform, owning back-end, web, and mobile workstreams.

- Led a team of **8 developers** across back-end, front-end, and React Native mobile, by setting coding standards, running code review, and defining delivery cadence.
- Shipped loyalty and engagement platforms to the Brazilian market, by architecting a React web client, a React Native mobile app, and Node.js services on a shared PostgreSQL data model.
- Shortened release cycles for a three-workstream team, by introducing Docker-based environments and a standardized branching and review process.

React · React Native · Node.js · PostgreSQL · Docker · Team Leadership

Earlier Experience

May 2017 – Jun 2018

Full-Stack Developer – SESI · Florianópolis, Brazil · Oct 2017 – Jun 2018

Built a wellness coaching application delivering personalized health programs to industrial workers, using a Java back-end and Angular front-end on MySQL.

Software Development Intern – SumOne · Florianópolis, Brazil · May 2017 – Oct 2017

Contributed to client web applications in JavaScript while completing an Information Systems degree.

EDUCATION & LANGUAGES

EDUCATION	B.Sc. Information Systems — Universidade Federal de Santa Catarina (UFSC), Brazil · 2016 – 2020
LANGUAGES	Portuguese (native) · English (C1, advanced — 5+ years working daily with US teams; exchange program in Vermont, USA)