

Jonathan Cruz

SENIOR SOFTWARE ENGINEER

📍 SÃO PAULO, BRAZIL

✉ JONATHAN.WILLIAN.TOD@GMAIL.COM

🌐 AKAMURAASAI

🔗 AKAMURAASAI.WORK

PROFILE

"Senior software engineer with over 10 years of experience in mobile and web application development. Skilled in Full Stack development with expertise in React/React Native, NestJS, and TypeScript, using databases like PostgreSQL with Prisma ORM. Experienced in building compliance-critical fintech systems, CI/CD pipelines, and deploying cloud infrastructure on AWS and GCP."

PROFESSIONAL EXPERIENCE

SELECTED ROLES & CONTRIBUTIONS

<p>CURRENT ROLE</p> <h3>Sydecar</h3> <p>FULL-STACK SOFTWARE ENGINEER</p> <hr/> <p>MAY 2023 — PRESENT SAN FRANCISCO, CA (REMOTE)</p>	<p>KYC/EDD COMPLIANCE</p> <p>Designed and implemented Enhanced Due Diligence system including LP funding blocks, UBO verification, FinCEN integration, CTA compliance, and automatic KYC revalidation for active investors.</p> <p>COMPLIANCE NESTJS PRISMA POSTGRESQL</p> <p>QuickBooks INTEGRATION</p> <p>Built bidirectional integration engine for invoice synchronization with mock service for local dev, state validation, auto-sync on approval, and full E2E test suite with Playwright and Cucumber BDD.</p> <p>QUICKBOOKS API PLAYWRIGHT CUCUMBER</p> <p>Billing V2 ARCHITECTURE</p> <p>Designed (ADR) and implemented fund billing V2 with quarterly fee scheduler, billing model versioning, and administrative fee structure management page.</p> <p>TS-REST ZOD NESTJS</p> <p>ts-rest MIGRATION</p> <p>Migrated legacy controllers (auth, onboarding, admin) to type-safe ts-rest contracts with Zod schemas, improving type safety across frontend and backend.</p> <p>TYPESCRIPT ZOD TS-REST</p>
<p>B2B WHOLESALE</p> <h3>Zax</h3> <p>SR SOFTWARE ENGINEER</p> <hr/> <p>JAN 2019 — MAY 2023 SÃO PAULO</p>	<p>B2B App MOBILE</p> <p>Built from scratch a wholesale mobile app for business partners using React Native, TypeScript, and GraphQL.</p> <p>REACT NATIVE TYPESCRIPT GRAPHQL</p> <p>Serverless AWS</p> <p>Deployed full cloud infrastructure on AWS (EC2, ECS, S3, Lambda, VPCs) with serverless websites using React and Next.js.</p> <p>AWS NEXT.JS SERVERLESS</p> <p>CI/CD AUTOMATION</p> <p>Configured end-to-end delivery pipeline with GitHub Actions, Fastlane, and Code Climate for quality control. Used Docker for local development.</p> <p>GITHUB ACTIONS FASTLANE DOCKER</p>
<p>CRYPTO & CHAT</p> <h3>Netlolo</h3> <p>SR SOFTWARE ENGINEER</p> <hr/> <p>SEP 2018 — MAY 2023 SÃO PAULO</p>	<p>Crypto MOBILE</p> <p>Created a mobile and web app bringing cryptocurrency to mainstream users with React Native, TypeScript, and Web3 smart contract integration on ETH.</p> <p>REACT NATIVE TYPESCRIPT WEB3 GRAPHQL</p> <p>Chat SDK REAL-TIME</p> <p>Developed a Chat SDK for businesses using React Native and React with Redux, powered by XMPP and Java backend for real-time messaging.</p> <p>REACT REDUX XMPP JAVA</p> <p>Zero DOWNTIME</p> <p>Built CI/CD automations ensuring continuous deployment with no service interruption. Used PostgreSQL with Hasura as the GraphQL layer.</p> <p>POSTGRESQL HASURA CI/CD</p>

HEALTHCARE

Escale

SR SOFTWARE ENGINEER

JAN 2018 — SEP 2018
SÃO PAULO

React

BOILERPLATE

Built the product foundation with React, Redux, and a Node.js/TypeScript backend for healthcare services sold via Google Ads.

REACT REDUX NODE.JS TYPESCRIPT

Mentorship

TECH TALKS

Led internal Tech Talks on RESTful design, Functional Programming, and Microservices architecture. Used MySQL, PostgreSQL, and MongoDB depending on service responsibilities.

MICROSERVICES CIRCLECI MONGODB

EDTECH

PraValer

PL SOFTWARE ENGINEER

JUN 2017 — JAN 2018
SÃO PAULO

PHP →

Node

MIGRATION

Migrated legacy PHP codebase to a Node.js/Express backend for a student loans platform with governmental funding.

NODE.JS EXPRESS PHP

Database

OPTIMIZATION

Restructured PostgreSQL tables with improved formats and indexes. Used MongoDB for loan requests and logs. Built the frontend with React and Redux.

POSTGRESQL MONGODB REACT REDUX

CORE SKILLS

FRONTEND

React, React Native, TypeScript, Next.js, TanStack Query

BACKEND

NestJS, Node.js, Prisma, GraphQL, ts-rest, Zod

INFRASTRUCTURE

AWS, GCP, Docker, CI/CD, Nx Monorepo

LANGUAGES

PORTUGUESE

Native

ENGLISH

B1/B2

EDUCATION

Anhanguera

BACHELOR OF TECHNOLOGY (B.TECH.) IN INFORMATION TECHNOLOGY ·
JAN 2016 — JUL 2018