

Deivid Reinke Schiitz

Software Developer · Full-Stack · Backend · Mobile

Portuguese (Native) · English (C1)

[Email](#) · [Portfolio](#) · [GitHub](#) · [LinkedIn](#)

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SUMMARY

Full-stack software developer with more than 4 years of experience building production mobile, backend, and web systems. Specialized in TypeScript, React Native, and NestJS within AWS serverless architectures, following DDD and Clean Architecture. Published applications used by **350K+ users** and contributed to academic research in combinatorial optimization. Comfortable leading complete product delivery, from architecture decisions to CI/CD pipelines.

EXPERIENCE

Fleye — Remote / Brazil

Full-Stack Developer

2025 – Present

Digital product studio specializing in mobile applications: [Fleye](#).

- Published [Capela](#), a liturgy and spiritual-life app, and contributed to IELB+, a music, books, and audio streaming platform — together serving **350K+ global users** through millions of document updates.
- Established engineering standards including TDD (Jest & Pactum), CI/CD test isolation with Docker, and observability with Sentry and PostHog.
- Designed a Turborepo monorepo with strict package boundaries and full multi-environment support (dev / staging / production), improving team velocity and deployment reliability.
- Architected an AWS serverless backend (Lambda, Cognito, S3, SNS, SQS, EventBridge) using NestJS with DDD and Clean Architecture, managed end to end through AWS CDK.
- Built a no-code administration framework that lets clients manage content independently, reducing operational overhead and eliminating recurring developer involvement for routine updates.
- Reduced mobile-app crash errors in Capela by **56%**.
- Using Xcode's profiling tools, reduced Capela hitches by **60%**, hangs by **64%**, and total interruption time by **58%**, eliminating all hitches associated with high device GPU usage. The result was a smoother, more responsive, and more stable app, with fewer small stutters and less perceived lag, especially during scrolling on iOS.
- Stack: *TypeScript · React Native · Expo · Expo Router · Zustand · NestJS · Node.js · DDD · Clean Architecture · TDD · Jest · Pactum · AWS (Lambda, CDK, Cognito, S3, SNS, SQS, EventBridge) · MongoDB · Docker · Turborepo · CI/CD · Tailwind CSS · Sentry · PostHog · ESLint · Prettier · Git/GitHub*

Brbyte — Remote / Campo Grande

Junior Software Developer

Dec 2021 – Aug 2022

Internet provider and SaaS company serving telecom and regional-network clients: [Brbyte](#).

- Developed full-stack features across web, Android, iOS, and backend services for a SaaS platform.
- Provisioned and managed Linux servers and network infrastructure (NAS, OLT).
- Built and maintained REST APIs, data pipelines, and real-time dashboards.
- Stack: *C · JS/TS · PostgreSQL · React · React Native · Linux Server · Data Structures · SSH · Bash · ONU · OLT · Docker · Git/GitHub*

Azon — Primavera do Leste

Web Developer

Jan 2020 – Apr 2021

Digital agency focused on websites and web systems for local businesses.

- Planned, built, and deployed end-to-end web projects — from client briefings through hosting configuration.
- Developed and maintained client websites and internal tools using React, Node.js, WordPress, and Firebase.
- Delivered more than **10 websites and projects** for clients.
- Stack: *HTML/CSS · JS/TS · Node.js · React · WordPress · cPanel · Firebase · Figma*

PROJECTS

Portfolio — *Next.js · React · Three.js · TypeScript · Tailwind · Oracle Cloud*

- Self-hosted personal portfolio on an Oracle Cloud instance with a custom CI/CD pipeline.
- Animated 3D background with page transitions through Framer Motion.
- [Portfolio](#) · [GitHub](#)

Qacademic — *React Native · Node.js · TypeScript · Web Scraping · Expo*

- Mobile app for students at a Brazilian Federal Institute to check grades and download course materials.
- Node.js server with web scraping that exposes a clean REST API over the institution's portal; offline mode with PDF caching.
- [Qacademic](#)

Pill Dispenser — *React Native · Firebase · Node.js · TypeScript · ESP32 · Arduino · Automation*

- IoT medication-management app with real-time synchronization with physical dispensing hardware (ESP32/Arduino).
- Serverless backend with Firebase Functions for scheduling, push notifications, and dosage control.
- [Pill Dispenser](#)

Comportc — *Electron · C++ · Node.js · Node Native Addons · Windows*

- Desktop serial COM-port monitor for firmware testing on ARM, Arduino, and ESP devices.
- Integrates the native Windows C++ API with Node.js through native addons; published as an NPM package.
- [Comportc](#)

Structured C Project — *C · Unix · Makefile · GDB · Valgrind · Google Test*

- Unix-style C project: logs, static/dynamic libraries, bash scripts, data structures, and Google Test integration.
- Valgrind for memory-leak detection; GDB for advanced debugging.
- [Structured C Project](#)

EDUCATION

Federal University of Mato Grosso do Sul (UFMS)

Bachelor's Degree in Computer Science — FACOM, Campo Grande

Jan 2022 – Dec 2025

Ranked 1st on admission. Graduated in Dec 2025 · Undergraduate Research — LEXA Laboratory. Implemented a Large Neighborhood Search metaheuristic for the Course Discipline Assignment Problem, combining destroy-and-repair operators with exact solving to produce high-quality timetable solutions.

Santander Coders / Ada Tech

Back-End Development Track (Coding-Tank)

Jul – Aug 2024

Git, Networks, Java, OOP, Design Patterns.

Federal Institute of Mato Grosso (IFMT)

Integrated High School + Electromechanics Technician

Jan 2018 – Dec 2020

Teaching assistant for Machine Elements. Robotics-club member and state silver medalist in the Brazilian Robotics Olympiad.

Advanced English Course — Influx

English and Spanish Course

2018 – Dec 2021

4 years of study.