Roberto Santos Mazutti Kosmel

Junior Full-Stack Developer | React | Next.js | Node.js (Express) | PostgreSQL | AWS (EC2, RDS)

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Summary

Junior Full-Stack developer with hands-on experience in production web applications, focused on end-to-end delivery and stability. Work involving React/Next.js, Node.js (Express), and PostgreSQL, with responsibility for deployment and cloud operations (AWS).

Experience

Software Engineering Intern (Full-Stack) — Blue Exams / The Mindville / MBA No Brainer Apr 2025 — Dec 2025

- Built an end-to-end (0->1) subscription-based mock exam web platform, including exam flows (timer, pause/resume, autosave) and analytics.
- Created and consumed REST APIs (Next.js endpoints, Stripe, NextAuth, Chatwoot, Node.js backend).
- Implemented authentication and subscription billing (NextAuth, Stripe) with PostgreSQL persistence via Prisma.
- Supported deployment and production operations on AWS and Linux/Nginx, including troubleshooting and data/asset migration.

Selected Projects

Blue Exams — Mock exam platform   2025
- End-to-end construction of subscription web platform with exam experience (timer, pause/resume, auto-save) and question review + metrics.
- Creation and consumption of REST APIs (Next.js endpoints, Stripe, NextAuth, Chatwoot, Node.js backend).
- Authentication/subscription (NextAuth + Stripe), PostgreSQL data (Prisma) and AWS deployment/operations.

C language compiler   2024
- Compiler implementation in C (lexical, syntactic and semantic analysis).

Electric Ways — Routes for electric vehicles   2024
- Route app considering autonomy and charging stops.

Blue Exams — Landing page (institutional site)   2025
- Static site implementation (HTML/CSS/JavaScript) and AWS EC2 + Nginx operation, with TLS/Let's Encrypt.

Education

Federal University of São Paulo (UNIFESP) — Computer Engineering (in progress)   2024 − Expected Jun 2027

Federal University of São Paulo (UNIFESP) — Science and Technology (BSc)   2021 − 2023

Skills

- **Backend**: Node.js, Express, TypeScript/JavaScript, Python, C/C++, REST APIs
- **Frontend**: React, Next.js, TypeScript/JavaScript, HTML5, CSS3, Tailwind CSS
- **Database & Analysis**: SQL, PostgreSQL, Prisma, JSON, DBeaver, Data Analysis
- **Cloud & DevOps**: AWS (EC2, RDS, S3 + multiple services), Docker, Nginx, Linux
- **Tools**: Git, Microsoft Office (Advanced), Project Management (Linear, Jira)
- **Automation & Integrations**: Stripe (payments), Zapier, Twilio, n8n

Languages

Portuguese (native) | English (advanced)

Extracurricular Activities

University basketball team captain: leadership, training organization and participation in university tournaments and local competitions.