

# Roberto Santos Mazutti Kosmel

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

São José dos Campos, SP (Remote) | [roberto.m.kosmel@hotmail.com](mailto:roberto.m.kosmel@hotmail.com) | +55 19 98926-3577

[linkedin.com/in/robertokosmel](https://linkedin.com/in/robertokosmel) | [github.com/rkosmel](https://github.com/rkosmel)

## 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, Node.js backend) and CRM integration (Chatwoot).
- 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, generating revenue in the first month of operation.
- Creation and consumption of REST APIs (Next.js endpoints, Stripe, NextAuth, Node.js backend).
- Authentication/subscription (NextAuth + Stripe), PostgreSQL data (Prisma) and AWS deployment/operations.

### C language compiler

2024

- Complete C compiler implementation for C-language with lexical, syntactic and semantic analysis, generating intermediate code in quadruples, plus RISC processor in Verilog executing compiled code on FPGA.

### 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
- **CRM & Support:** Chatwoot, WhatsApp Business, ticket management
- **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.