

# Matheus Alexandre Barbier de Alencar

## Software Engineer

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## Education

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### Dom Bosco Catholic University

*Bachelor's in Computer Engineering*

Campo Grande, MS

*Jan 2020 - Dec 2024*

## Experience

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### Talento Transfer LLC | Software Consulting

Remote

#### Software Engineer

Mar 2025 - Apr 2026

NODE.JS • NESTJS • EXPRESSJS • JAVASCRIPT • TYPESCRIPT • PYTHON • REACTJS • NEXT.JS • REACT NATIVE • EXPO • TAILWINDCSS • PRISMA • POSTGRESQL • MONGODB • FIREBASE • FIRESTORE • GCP • AWS • DIGITALOCEAN • NGINX

Architected and delivered end-to-end backend systems in **Node.js** (**NestJS/TypeScript** and **ExpressJS/JavaScript**), designing REST APIs, implementing idempotent payment processing with Mercado Pago webhooks, and handling asynchronous transaction flows to guarantee data consistency and prevent duplicate charges. Engineered cross-platform mobile applications in React Native (Expo), integrating Google Maps and Mapbox for geolocation, proximity search, live route calculation, and location-based discovery. Built real-time communication layers using WebSockets for one-on-one and group chat, live status updates, and collaborative features across multiple products. Designed and optimized data layers across PostgreSQL, MongoDB, and Firestore, leveraging Prisma ORM and Mongoose for schema modeling, query performance, and transactional integrity. Developed frontend applications in Next.js and React, building admin dashboards with inventory management, financial tracking, and XLSX import capabilities, alongside consumer-facing web platforms with secure checkout flows. Deployed and managed production infrastructure on DigitalOcean with Nginx, PM2, and zero-downtime deployments. Leveraged cloud-native and serverless architectures on AWS (Lambda, API Gateway, S3, RDS, Cognito), GCP (Cloud Functions), and Firebase (Authentication, Firestore) for scalable authentication, storage, and on-demand compute. Integrated AI-powered features by training domain-specific chat assistants on PDF corpora with per-user quota management, and built gamification engines with points, rewards, and partner discount redemption systems.

### Funilize

Remote

#### Intern Back End Developer

Nov 2024 - Dec 2024

NODEJS • PYTHON • SCRAPY • LAMBDA • API GATEWAY • POSTGRESQL • COGNITO • CLOUD9 • STRIPE

Developed AWS backend (API Gateway, Lambda, Cognito), integrated Stripe webhooks, automated Python/Scrapy scraping pipelines, and managed PostgreSQL on RDS.

### Brazilian Institute of Geography and Statistics (IBGE)

Campo Grande, MS

#### IT Support Intern

Sep 2023 - Nov 2024

Managed IT asset inventory, configured devices for field surveys, and performed preventive and corrective hardware maintenance. Provided help desk support, ensuring operational continuity and resolving technical incidents.

## Skills

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**Back End:** Node.js, NestJS, ExpressJS, Python, Java Spring Boot, Go, Gin

**Front End:** React Native, ReactJS, Next.js, JavaScript, TypeScript, TailwindCSS

**Databases & ORM:** PostgreSQL, MongoDB, Firestore. Prisma, Mongoose, Hibernate

**Cloud:** AWS (EC2, S3, Lambda, API Gateway), GCP (Cloud Functions), Firebase (Auth, Firestore), DigitalOcean (Droplet, App Platform)

**Infrastructure:** Linux, Nginx, PM2

**Tools:** Git, Kanban

**Languages:** Portuguese (Native), Spanish (C2), English (B1)