# MARCELO BARBOSA

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🔗 LinkedIn

## 🎯 PROFESSIONAL PROFILE

Full Stack Developer with more than three years of experience in developing scalable, high-performance web applications, working on both the frontend and backend. Strong foundation in JavaScript/TypeScript, Node.js, Angular, React and PostgreSQL, with experience in modular architectures, automated testing and deployment in cloud environments.

Passionate about creating technological solutions that improve the user experience and deliver business results, always seeking the best practices in performance, security and software quality. Interest in working on challenging projects, collaborating with talented teams and contributing to impactful products.

## 💼 PROFESSIONAL EXPERIENCE

### Accenture – Software and Product Engineering Analyst

**Dez/2024 – Atual**

**Context:**
Working on a global team responsible for developing IHTOnco, a platform for managing oncology clinics throughout Brazil, integrating with systems such as Protheus and Tasy.

**Main Activities:**

- Development of administrative modules with Angular, creating responsive interfaces and reusable components.
- Implementation of complex business rules, such as banking transaction flows and management panels integrated into multiple systems.

- Close collaboration with UX/UI and QA teams to ensure accessibility, performance and visual consistency.
- Use of Docker multi-stage builds to optimize container sizes.
- Active participation in CI/CD pipelines via GitLab, improving build reliability and deployment speed.

**Technologies:** Angular, TypeScript, RxJS, SCSS, GitLab CI/CD, Docker, JWT, Helmet, Swagger, Postman.

## EZ Solutions – Full Stack Developer

**Jun/2024 – Dez/2024**

**Context:**
Work on EZAGRO, a platform for managing farms, crops, machines, producers and products, serving large Brazilian agribusiness groups.

**Main Activities:**

- Leadership in the frontend architecture in Angular, modernizing legacy code and developing our own component library to accelerate deliveries.
- Development of REST APIs with NestJS, applying modular architecture and Domain-Driven Design (DDD) principles.
- Integration with GCP services for logging and monitoring, implementation of observability with Winston, health checks and dockerized deployments.
- Creation of robust business rules, such as validations that guarantee that the sum of agricultural area and vegetation does not exceed the total area of the property.
- Writing unit and integration tests with Jest, ensuring high coverage and reliability in releases.

**Technologies:** Angular, NestJS, TypeScript, PostgreSQL, Docker, GCP, JWT, Swagger, Winston, GitLab CI, Insomnia, Postman, Kanbanize.

## Cia Hering – Jr Full Stack Developer

**Out/2023 – Abr/2024**

**Context:**
 Integration with B2B and Omnichannel squads to develop the Promotion Engine of Grupo Soma, the largest fashion group in Latin America, managing promotions, vouchers, cashback and financial operations with franchisees.

**Principais atividades:**

- Development of features and maintenance on the frontend in React.js, using Styled Components, Material UI and SASS.
- Implementation and adjustment of Node.js/Express APIs, JWT authentication, middleware and queues, in addition to optimizing queries in the database.
- Development of automated tests (Jest), increasing product stability and confidence in deployments.
- Collaborative work in agile methodologies (Scrum/Kanban), participating in daily rituals and refinements.

**Technologies:** JavaScript, TypeScript, React.js, Node.js, Express, PostgreSQL, MySQL, Docker, Styled Components, SASS, JWT, Redis, Elasticsearch.

## Cia Hering – Full Stack Development Intern

**Set/2022 – Set/2023**

**Context:**
 Practical work in the development and correction of bugs in the promotions and cashbacks management project for more than 700 stores, participating in a dynamic and challenging environment.

**Principais atividades:**

- Construction and maintenance of features in React with TypeScript and Node.js.
- Cache management with Redis and data manipulation with Beekeeper.
- Deploys and monitoring in Docker via GitLab CI pipelines.
- Participation in self-organized agile squads, promoting efficient deliveries and collaborative learning.

# 🎓 ACADEMIC TRAINING

- Bachelor's Degree in Civil Engineering, Catholic University of Pernambuco (2021)
- Exchange Program, Faculty of Engineering of the University of Porto – FEUP, Portugal (2020)
- Systems Analysis and Development, PUC-MG (4th semester, in progress)

# 🛠 TECHNICAL SKILLS

Languages & Frameworks:  JavaScript (ES6+), TypeScript, Angular, React, Node.js, NestJS, Express, Sequelize;

APIs & Architecture: REST, JWT Auth, Bcrypt, MVC, DDD, Swagger ;

Database: PostgreSQL, MySQL ;

Tests: Jest (unitary, integration, e2e);

Cloud & DevOps: Docker, GitLab CI/CD, GCP (logging, monitoring);

Tools: Postman, Insomnia, Kanbanize, Trello;

Frontend extras: HTML5, CSS3, SCSS, SASS, Styled Components, Material UI, Bootstrap;

Performance & Security: Helmet, code splitting, lazy loading, Redis cache;

Observability: Winston, Prometheus, health checks;

Version Control: Git (GitLab);

Extras: AI agents – artificial intelligence: Gemini, ChatGPT;

# 💧 AI & NEXT GENERATION DEVELOPMENT

I have already developed and launched my first application using an AI agent (based on Gemini), available on my GitHub, demonstrating the practical application of these concepts. I'm currently delving deeper into building software systems powered by AI agents, exploring how to incorporate generative intelligence and intelligent flows to deliver smarter, more adaptive experiences for users.

## 🌐 languages

English: C2 (certified by SENAC)

## 🚀 ADDITIONAL INFORMATION

- Available for remote work or moving to another city/country.
- Has driver's license and own vehicle.
- Volunteer work: La Vie (mental health support) & Tech Delas (inclusion of women in technology).

## ☑ HIGHLIGHTS AS A DEVELOPER:

- Deliveries in production using Angular, React and Node.js, applying complex business rules and critical integrations.
- Secure REST API architecture, with JWT authentication and Bcrypt encryption.
- Dockerized deployments in GCP, implementing structured logging with Winston, health checks and CI/CD pipelines.
- Automated tests ensuring high code coverage and quality.
- Performance, cache and load sharing optimizations to improve loading times and operational costs.