

# YGOR MARSI

## Senior Backend Engineer | Python & Django Specialist

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### PROFESSIONAL SUMMARY

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Senior Python Developer with hands-on experience in building and maintaining scalable web applications using **Django** and React. Proven track record in developing complex SaaS platforms, optimizing database performance, and engineering AI-focused software solutions. Experienced with cloud infrastructure (**AWS**), containerization (**Docker**), and creating robust architectures for mission-critical systems. Passionate about clean code, debugging complex production issues, and delivering high-value software solutions in remote international environments.

### TECHNICAL SKILLS

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- **Backend Development:** Python (Expert), Django (Advanced), Django REST Framework (DRF), Django Channels (WebSockets), Flask.
- **Cloud & DevOps:** AWS (EC2, S3), Docker, Nginx, Gunicorn, CI/CD Pipelines, Linux Environments.
- **Async & Performance:** Celery, Redis, RabbitMQ, Asynchronous Task Queues, Rate Limiting Implementation.
- **Databases:** PostgreSQL, SQLite, MySQL, Database Optimization & Indexing.
- **Frontend & Tools:** JavaScript, React (Vite), Tailwind CSS, Bootstrap, Git/GitHub, Postman.
- **SaaS & AI:** Stripe API, Self-hosted Proprietary LLMs, Fine-tuning, Prototyping with OpenAI/Groq APIs.

### PROFESSIONAL EXPERIENCE

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#### Senior Software Engineer (Full Stack)

*Sapiens Technology*

01/2025 – Present

*São Paulo, Brazil (Remote)*

- Architect and develop a scalable AI SaaS ecosystem using **Django** and **React (Vite)**, implementing real-time bidirectional communication via **WebSockets** (Django Channels) and Redis.
- Lead the transition of the AI architecture: utilized external APIs (OpenAI/Groq) exclusively for rapid prototyping and concept validation, migrating to a **Self-hosted Proprietary LLM** in production to ensure data sovereignty and cost reduction.
- Build high-performance asynchronous pipelines using **Celery** to orchestrate model fine-tuning, PDF/Docx generation, and speech-to-text processing without blocking the main thread.
- Designed a robust billing infrastructure integrating **Stripe** to manage complex subscriptions, automated invoicing, and plan upgrade/downgrade flows.
- Developed advanced multi-tenancy features, including Organization management, custom Rate Limiting middleware, and analytics dashboards.
- Orchestrate the production environment using **Docker Compose** and **Nginx** as a reverse proxy, focusing on security and performance.

#### Senior Developer

*QJD FaithTech*

06/2024 – 01/2025

*São Paulo, Brazil (Remote)*

- Led backend development for a SaaS platform, ensuring high availability and secure API integrations using **Python/Django**.
- Architected microservices to connect users with Generative AI models, optimizing for high concurrency.
- Improved API response times by 30% through efficient caching strategies with Redis and query optimization.
- Developed secure authentication flows (JWT/OAuth) and institutional web portals.

## Python/Django Engineer (Freelance)

Smartec

Project-based

São Paulo, Brazil

- Engineered a full-featured Inventory Management System using **Django**, ensuring data integrity and complex business logic.
- Designed an RBAC system for granular user permission management.
- Implemented automated financial calculations, reducing client manual errors by 90%.
- Deployed and managed static and media assets on **AWS S3**.

## IT Support & Systems Analyst

Coelho e Gavioli Advogados

11/2022 – 04/2023

São Paulo, Brazil

- Managed hardware/software infrastructure and implemented data security policies.
- Automated internal database routines to optimize legal operations.

## KEY PROJECTS

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### Banking Incident Management System (Bradesco Case Study)

- Developed a full-stack web application (Django Backend + React Frontend) for banking incident management.
- Structured a robust relational database model for sensitive financial data.
- Highlighted expertise in secure architecture and RESTful API design.

## EDUCATION

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### Bachelor in Information Systems

Universidade São Judas Tadeu – São Paulo, Brazil

Graduation: Dec 2025

## LANGUAGES

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- **Portuguese:** Native
- **English:** Professional Working Proficiency (Able to communicate effectively in technical environments)