

RAFAEL JUNIOR FENKER DEBASTIANI

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer focused on Python, Django, and DRF. I design and build high-availability microservices and RESTful APIs for complex SaaS environments. My expertise lies in engineering the core logic for large-scale enterprise applications.

TECHNICAL SKILLS

- **Languages:** Python, SQL, JavaScript.
- **Frameworks:** Django, Django REST Framework (DRF), Celery.
- **Architecture:** Microservices, Event-Driven Architecture (EDA), Real-time Systems, IoT Integration (MQTT), System Integration, RESTful APIs, Design Patterns.
- **Infrastructure & Cloud:** Google Cloud Platform (GCP), Docker, CI/CD Pipelines, Linux.
- **Databases:** PostgreSQL, MySQL, Redis, SQL Server, Firebird.
- **Tools & Methodologies:** Git, GitHub, GitLab, Scrum/Agile, Security Best Practices, AI-Assisted Development (LLM integration).

PROFESSIONAL EXPERIENCE

Supplify | Remote / Indaiatuba, SP

Senior Backend Engineer | Nov 2024 – Present

- Architect the core backend infrastructure for an AI-driven e-procurement startup. Lead the design of scalable RESTful APIs using Python and Django to orchestrate complex supply chain workflows for global enterprise clients.
- Develop automated decision-making pipelines that replace manual procurement reviews, significantly optimizing operational efficiency.
- Establish robust engineering standards by implementing CI/CD pipelines via GitHub and Docker, ensuring rapid deployment cycles and high availability.
- Conduct deep code reviews and enforce security best practices within the Django ecosystem to protect sensitive enterprise data.

Tembici | Remote / São Paulo, SP

Senior Software Engineer | Jul 2022 – Feb 2024

- Served as a core Python developer in a high-performance squad responsible for building the company's next-generation fleet management platform.
- Architected and developed a greenfield backend system from scratch using Python, Django, and Django REST Framework. This system managed the entire lifecycle of the proprietary e-bike fleet.

- Developed a specialized microservice to translate MQTT commands and events from IoT devices to the main system. Utilized RabbitMQ, Google Cloud Pub/Sub, and Celery for real-time asynchronous processing, ensuring sub-second latency.
- Designed a complex integration layer to bridge the new Python-based system with a third-party legacy fleet. This involved writing optimized SQL queries and using Redis for caching to maintain data consistency across distributed systems.
- Orchestrated integrations with internal distributed systems including User Identity and Payments. Implemented BFF (Backend For Frontend) patterns to aggregate data from multiple RESTful APIs, simplifying client-side consumption.
- Executed containerized application deployments using Docker on Google Cloud Platform (GCP), ensuring scalability during peak commuting hours.

debastiani.dev | Santa Maria, RS

Founder & Lead Software Developer | *Apr 2022 – Present*

- Manage an independent software consultancy focused on delivering high-performance SaaS solutions, utilizing Python, Django, and RESTful APIs to build custom applications for clients with international reach.
- Designed and developed the system for Cabanha Neloire do Vale (CNV), a specialized ERP that integrates biological asset tracking with financial accounting, managing field operations, genetic inventory, an internal costing engine, and a unified transaction ledger for invoicing.
- Recruited and mentored a software engineering intern, conducting code reviews, teaching Agile/Scrum methodologies, and guiding the development of internal tools using Python, Django, and Docker.
- Implement database optimization strategies directly through Python frameworks, utilizing Django ORM features to optimize queries, reduce query overhead, and ensure the performance of data-heavy applications.

Webeleven | Remote / São Paulo, SP

Senior Python Developer | *Apr 2022 – Jul 2022*

- Engaged as a specialized Senior Contractor for Tembici to accelerate the development of their Python and Django based fleet management platform.
- Contributed to the initial architectural definitions of the microservices landscape, helping to define the roadmap for migrating from legacy systems to a modern event-driven architecture.
- Delivered critical initial modules for the RESTful APIs using Django REST Framework, ensuring a seamless transition and zero knowledge loss upon moving to a full-time role.

GestãoDS | Santa Maria, RS

Backend Developer | *Aug 2018 – Apr 2022*

- Served as the core backend developer for a healthcare SaaS platform, utilizing Python and Django to support over 6,000 users and 4.3 million medical appointments.
- Engineered and maintained the primary RESTful APIs using Django REST Framework, ensuring reliability for critical medical records and scheduling features.

- Executed data migration for the onboarding of new clients. Analyzed and transformed historical data from diverse legacy databases including SQL Server, PostgreSQL, Firebird, MariaDB, and MySQL.
- Designed and deployed the company's internal Intranet system using Python and Django, which centralized operations for 50+ employees and reduced dependency on third-party tools.
- Managed the production environment on Linux servers, utilizing Docker for containerization and Git for version control.
- Led the adoption of Agile and Scrum methodologies within the backend team, conducting regular code reviews and mentoring junior developers on Python best practices.

EDUCATION

Universidade Federal de Santa Maria (UFSM) *Technologist in Internet Systems* |
(Incomplete)

Universidade Federal de Santa Maria (UFSM) *Bachelor of Computer Science* | 2011 –
2015 (Transferred)

LANGUAGES

- **Portuguese:** Native
- **English:** Full Professional Proficiency
- **Spanish:** Limited Working Proficiency