

# 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*

- Architecting the core backend infrastructure for an AI-driven e-procurement startup. Leading the design of scalable RESTful APIs using Python and Django to orchestrate complex supply chain workflows for global enterprise clients.
- Developed automated decision-making pipelines that replace manual procurement reviews, significantly optimizing operational efficiency.
- Establishing robust engineering standards by implementing CI/CD pipelines via GitHub and Docker, ensuring rapid deployment cycles and high availability.
- Conducting deep code reviews and enforcing 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.

- Engineered a Microservices ecosystem to replace legacy monolithic structures. Utilized RabbitMQ, Google Cloud Pub/Sub, and Celery to handle asynchronous tasks and real-time event processing, ensuring sub-second latency for IoT device commands (MQTT).
- 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.
- Managed containerized application deployments using Docker and Kubernetes on Google Cloud Platform (GCP), ensuring scalability during peak commuting hours.

**debastiani.dev** | Santa Maria, RS

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

- Running an independent software consultancy focused on delivering high-performance SaaS solutions. Expertly utilizing Python, Django, and RESTful APIs to build custom web applications for international clients.
- Providing high-level architectural advisory on cloud infrastructure, specifically Google Cloud Platform (GCP) and Linux server management.
- Recruited and mentored an engineering intern. This involved code reviews, teaching Agile/Scrum methodologies, and guiding the development of internal tools using Python, Django, and Docker.
- Implementing optimization strategies for client databases, tuning PostgreSQL and SQL configurations to improve query performance in 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 complex data migration projects for onboarding 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