RAFAEL JUNIOR FENKER DEBASTIANI

Senior Software Engineer | Backend Architect

Santa Maria, RS, Brazil | +55 55 99116-2957 | rjdebastiani@hotmail.com
linkedin.com/in/rjdebastiani | github.com/rjdebastiani

PROFESSIONAL SUMMARY

Senior Software Engineer with 14+ years of development background and 7+ years of professional experience specializing in Python, Django, and DRF ecosystems. Expert in architecting scalable SaaS solutions, experienced in real-time IoT systems, and Event-Driven Architectures. Proven track record at LatAm's largest micromobility company (Tembici) and high-growth startups (Supplify). Deep expertise in bridging hardware and software via bidirectional messaging and integrating AI-driven workflows into enterprise supply chain systems.

TECHNICAL SKILLS

- **Languages:** Python, SQL, JavaScript.
- **Frameworks:** Django, Django REST Framework (DRF), Celery.
- **Architecture:** Microservices, Event-Driven Architecture (EDA), RESTful APIs, IoT Integration (MQTT), Real-time Systems.
- **Infrastructure & Cloud:** Docker, Google Cloud Platform (GCP), CI/CD Pipelines, Linux.
- **Databases:** PostgreSQL, SQL Server, Firebird, MariaDB/MySQL, Redis.
- **Tools & Methodologies:** Git/Gitlab, Scrum/Agile, 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.
- Spearheading the integration of AI and Large Language Models (LLMs) into the Python application logic. 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 | *July 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 Architect | *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 currently mentoring an engineering intern. This involves 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 – July 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.

GESTÃO DS | 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