

Python Backend Engineer

DANIEL SCHEIDEMANTEL CAMARGO

Rua Caraguatá, 48, Antonio Carlos/SC, Brazil

 +55 47 9 9967 5469

daniel.supervisao@gmail.com

<https://www.dscamargo.com.br>

PROFESSIONAL SUMMARY

Experienced Senior Python Software Developer with over 8 years of expertise in building scalable, reliable and efficient systems. Proven track record of driving successful back-end and cloud-based projects, primarily RESTful APIs and cloud platforms such as AWS, GCP, and Azure. Skilled in microservices architecture, data integration and automation solutions. Strong problem-solving abilities, focused on delivering high-quality results that drive business value.

KEY SKILLS

- Programming Languages: Python, JavaScript, PHP, TypeScript, C, C++
- Frameworks: Django, Flask, React Native, Node.js, Selenium, Scrapy
- Cloud Platforms: GCP, AWS, Azure
- Databases: PostgreSQL, MSSQL, MySQL, NoSQL, Redis
- Tools: Docker, Git, CI/CD pipelines
- Agile Methodologies: Scrum and Kanban

PROFESSIONAL EXPERIENCE

Senior Software Engineer - Python

BuscaOnibus | Florianópolis, SC | www.buscaonibus.com.br

Apr 2021 - Present (4 years):

- Lead development and maintenance of the ecosystem primarily using Python with Django, Flask and other tools like React Native for mobile
- Managed microservices architecture on GCP infrastructure, ensuring scalability and cost efficiency
- Spearheaded the creation of a data-driven RESTful API, which supported a product for timetable data sales, improving service quality while maintaining low costs
- Led the migration from a legacy monolithic Python 2.7 GAE ecosystem to the latest dependencies with a microservices architecture, achieving 60% cost savings with zero downtime

Key Achievements:

- Successfully migrated legacy systems without service interruptions.

- Enhanced system reliability and reduced operational costs by implementing efficient microservices architecture.
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Software Developer Analyst - Automation and Integration

Portobello Shop | Florianópolis, SC | www.portobello.com.br

Dec 2019 - Apr 2021 (1 year 5 months)

- Developed profitability and cost simulation tools using Python, Django, and PostgreSQL, improving business decision-making.
- Led data integration initiatives between ERPs and Salesforce CRM using Python-based ETL processes on cloud platforms like Azure, AWS, and Kubernetes.
- Provided internal support for translating business requirements into technological solutions, ensuring smooth communication between departments.

Key Achievements:

- Managed the migration of 130 stores from legacy ERP/CRM systems to Salesforce, ensuring seamless integration without affecting sales operations.
 - Developed a Python-based ETL library, optimizing data flow and integration, which increased efficiency and scalability.
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Full-Stack Software Developer - Automation & Data Integration

Stormtech | Florianópolis, SC | www.stormtecnologia.com.br

Aug 2018 - Nov 2019 (1 year 3 months)

- Focused on robotic process automation (RPA) to streamline banking service data updates and integration.
- Designed web scraping solutions using Python, Selenium, and Scrapy, and built REST APIs with Flask.
- Managed AWS infrastructure (EC2, RDS, Lambda) for system monitoring, cost reduction and improving security.

Key Achievements:

- Migrated RPA infrastructure from legacy EC2 systems to microservices, improving system scalability, reducing costs, and enhancing fault tolerance.
- Led cloud infrastructure setup and software suitability assessments to meet business goals.

Software Developer, Cloud Architect & Embedded Systems Developer

Comigo | Joinville, SC | reciclagocomigo.com.br
Sep 2016 - Feb 2018 (1 year 5 months)

- Designed and developed reverse vending machine systems using Python and OpenCV for object classification.
- Implemented cloud architecture with AWS (EC2, RDS, S3) focusing on scalability and security.
- Developed embedded systems using Arduino and Raspberry Pi to integrate sensors and actuators, leveraging C, C++, and Shell Script.

Key Achievements:

- Spearheaded the development of a vision system to classify recyclable packaging, significantly contributing to the MVP and product launch.
- Enhanced system resilience and operational efficiency through cloud infrastructure and embedded systems integration.

EDUCATION

Master's Degree in Applied Computing Science

Santa Catarina State University (UDESC)

2016 - 2018, Joinville/SC

Focus: Cloud computing management, virtualization and energy efficiency

Research: Consolidation and High Availability on Virtualized Environments (CHAVE)

Bachelor's Degree in Computer Science

Santa Catarina State University (UDESC)

2011 - 2016, Joinville/SC

Focus: Software engineering, system development, energy efficiency, RSSF and IoT

Research: Open Source energy monitoring for Data Centers (GreenHop)

CERTIFICATIONS

AWS Technical Essentials – São Paulo-SP 2017

Salesforce Platform Developer I - Salesforce Bootcamp 2021