RIAN BRÜGGEMANN

Backend Software Engineer | Python | AWS | REST APIs

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PROFESSIONAL SUMMARY

Backend Software Engineer with 8+ years of experience designing and implementing scalable cloud-based applications. Strong expertise in Python (FastAPI, Flask), AWS cloud services, RESTful APIs, CI/CD pipelines, and relational databases. Experienced in fintech environments, data pipelines, and infrastructure automation using Terraform. Comfortable working in Agile/Scrum teams and collaborating with cross-functional stakeholders.

TECHNICAL SKILLS

Programming Languages: Python, PHP, Java, SQL
Backend Frameworks: FastAPI, Flask, Django, Spring Boot
Cloud Platforms: AWS (ECS, EC2, RDS, S3, Lambda, SQS), GCP
DevOps & CI/CD: Docker, GitLab CI/CD, Terraform, CloudWatch
Databases: PostgreSQL, MySQL, Redis
Testing: Pytest, Mockito
Architecture: RESTful APIs, Microservices, Event-driven systems
Data & Tools: Airflow MWAA, Salesforce integration, GraphQL

PROFESSIONAL EXPERIENCE

Software Engineer

Integritas Solutions, Inc. (USA)
07/2021 – Present

- Designed and implemented scalable backend systems for fintech applications using Python 3.12
- Developed RESTful APIs using FastAPI and Flask
- Deployed containerized applications on AWS ECS
- Integrated AWS services including RDS, S3, EC2, Lambda and SQS
- Implemented CI/CD pipelines with GitLab
- Maintained unit and integration tests using Pytest and Mockito

- Collaborated with Product Managers and cross-functional teams in Agile/Scrum environment

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Freelance Software Engineer

BR / SWE
03/2021 – 07/2021

- Developed a Python Flask backend to process financial data from 8 stablecoins across 10 exchanges
- Implemented automated daily jobs processing 120k+ records
- Optimized ETL pipelines from JSON to MySQL
- Managed CI/CD automation and deployment processes

Angular Developer

Audaces (BR)
09/2019 – 09/2020

- Developed frontend solutions using Angular (v5–9)
- Contributed to backend services using Java Spring
- Worked within Scrum methodology
- Managed Azure cloud resources and MySQL databases
- Supported Python-based e-commerce applications

Full-stack Web Developer

InCuca Tecnologia Ltda Me (BR)
09/2018 – 07/2019

- Developed web applications using PHP 7 and MySQL
- Integrated external APIs and cloud services (FTP-based deployments)
- Participated in sprint planning and production deployments

Junior Full-stack Developer

FEPESE – Foundation for Socioeconomic Studies and Research (BR)
04/2018 – 09/2018

- Refactored legacy PHP 5 systems to PHP 7
- Maintained and enhanced competition exam platforms
- Developed frontend features using CSS and Bootstrap

Junior Java Developer

LISA – Federal University of Santa Catarina (BR)
08/2017 – 05/2018

- Developed an open-source Java application to migrate relational data to NoSQL systems
- Implemented multi-threaded CSV import functionality
- Integrated Redis as NoSQL solution

EDUCATION

Bachelor of Science in Information Systems
Federal University of Santa Catarina — 2023, Brazil

Thesis: Graph Neural Networks for COVID-19 Outbreak Prediction
Technologies: PyTorch, NetworkX, Scikit-learn, Pandas

LANGUAGES

Portuguese — Native
English — Professional working proficiency
Spanish — Intermediate