

Guilherme Oliveira

Backend software Engineer experienced in building scalable RAG architectures, multi-agent systems, and serverless data pipelines using Python, Apache Spark, and multi-cloud infrastructure (AWS, GCP).

Rio Grande do Sul – Brazil
+55 (51) 99281-3070
guilhermegors@gmail.com
linkedin.com/in/guilhermegors
github.com/GuilhermeGors

Professional Experience

Natura – Junior Software Engineer

06/2024 – Present

Architected scalable cloud infrastructure, privacy-first AI solutions (RAG), and maintained high-volume data pipelines serving enterprise-level operations.

Spearheaded the refactoring of legacy data processing engines using Apache Spark and Scala, optimizing performance for 200+ GB of daily data.

Architected serverless data pipelines using AWS Lambda, AWS Glue, and Amazon Athena, eliminating manual bottlenecks and reducing cloud infrastructure costs.

Engineered an AWS Secrets Manager integration for centralized credential management, ensuring full GDPR compliance and enabling rapid incident response.

Promoted Domain-Driven Design (DDD) and Clean Code principles within the team, resolving Code Smells to reduce system vulnerabilities by 80% and accelerate delivery speed by 60%.

Led a technical initiative to achieve 100% test coverage across critical repositories using Python and Docker, directly improving platform reliability metrics

Skills

Languages & Frameworks:

Scala, C, TypeScript, JavaScript, Python (FastAPI), React, Next.js, Node.js, Express

Databases:

PostgreSQL, MongoDB, Vector Databases, Relational & NoSQL Databases

Tools & DevOps:

Docker, Kubernetes, Terraform, Ansible, CI/CD (GitHub Actions, GitLab), Git, Observability (Grafana, Zabbix)

Cloud Platforms:

AWS (EC2, S3, Lambda, RDS, Glue), GCP, Azure, Serverless Computing

Testing & Quality:

Pytest, Test Automation & Coverage, Clean Code

Best Practices & Architecture:

DDD (Domain-Driven Design), Microservices Architecture, RESTful APIs, RAG Architectures, Multi-Agent Systems, Local LLMs, System Design Essentials

Nelogica - Software Engineer I

04/2024 - 07/2024

Acted in the infrastructure and operations team, ensuring ultra-low latency, security, and high availability for mission-critical financial systems across on-premises and multi-cloud environments.

Engineered automated infrastructure deployments across multi-cloud (GCP, Azure, AWS) and on-premises environments.

Streamlined operational workflows by developing GitLab CI/CD pipelines, utilizing Docker, and scripting automation jobs in AWX, Ansible, and Terraform.

Maintained high-availability system architecture by managing server lifecycles (deployment/decommissioning).

Implemented comprehensive network and server monitoring utilizing Grafana, Zabbix, and NetBox, while strengthening the security posture through CrowdStrike integration.

EDUCATION

Unisinos - *Systems Analysis and Development*

06/2024 - Present

42 São Paulo - Associate degree in Computer Engineering

LANGUAGES

Language Skills:

Portuguese - Native

English - C1 (Advanced) - exchange program in London

AWARDS & HACKATHONS

2nd Place – *Moving the Cities* | Universidade do Vale do Rio dos Sinos (Oct 2021)

Co-created a collaborative skill-sharing platform aimed at fostering social inclusion and driving local economic growth for low-income communities.

2nd Place – *Hackathon Unisinos* | Universidade do Vale do Rio dos Sinos (Oct 2019)

Engineered an industrial data retention system to prevent data loss during simulated power