

Iago Tito

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EDUCATION

Federal University of Campina Grande (UFCG)

Bachelor's Degree in Computer Science

Campina Grande, PB, Brazil

2018 – 2022

EXPERIENCE

Backend Python Developer (Freelance, Part-Time)

Various Clients, Remote

December 2024 – Present

Cuidar

January 2025 - Present

- Designed and implemented a scalable microservices system for healthcare unit management, handling patient registration, treatment queues, and real-time monitoring
- Developed an OAuth 2.0 authentication microservice for secure operator access and role management
- Optimized queue management to prevent race conditions, ensuring data consistency under high-concurrency scenarios
- Built a data synchronization system between two services using Azure Service Bus, queuing actions like entry creation and updates to ensure reliable replication across databases
- Technologies: Python, FastAPI, PostgreSQL, Docker, Azure, OAuth 2.0

RiskRate

December 2024 - January 2025

- Developed an integration service to consolidate data from various cloud service analysis tools, enabling a comprehensive system evaluation
- Designed and implemented a reporting feature that highlights key system vulnerabilities and provides actionable insights for resolution
- Utilized Python scripts to ensure seamless data aggregation and processing

Software Developer

CI&T - Itaú

August 2024 – May 2025

Go Developer (Mid-Level)

January 2025 - May 2025

- Developed high-performance microservices to power customer-facing features in a banking application, such as personalized discounts and credit opportunities
- Prioritized efficiency and speed, building lightweight and fast services to deliver a seamless user experience
- Optimized application logging mechanisms, reducing log size by approximately 40% and significantly lowering associated costs
- Technologies: Go, AWS

Python Developer (Mid-Level)

August 2024 - December 2024

- Automated product sales processes, improving efficiency and reducing manual effort
- Integrated systems with LLM tools to generate personalized texts for customers
- Built an AI-powered system to automate internal workflows using LLMs
- Technologies: Python, JavaScript, HTML/CSS, FastAPI, PostgreSQL, MongoDB, AWS, Docker, LLM (Large Language Models)

Site Reliability Engineer

Stone Co. & PagarMe

August 2022 – August 2024

- Developed and maintained an observability platform to ensure that teams have visibility into the health of applications
- Standardized telemetry emission and collection via the observability platform
- Automated procedures to speed up processes for client teams
- Maintained an observability tool for business rules using database monitoring
- Technologies: Python, Go, JavaScript, Terraform, Datadog, AWS, Kubernetes

Software Development Lead

March 2020 – August 2022

Software Practices Laboratory (SPLab)

- Developed a distributed system for automatic data processing using AI to assist the Federal Police in investigations
- Modeled investigation data as a graph in MongoDB to represent relationships between suspects, locations, and events; developed a D3.js-based frontend for interactive data visualization and analysis
- Developed Natural Language Processing (NLP) and Data Analysis algorithm pipelines for automatic processing of Federal Police cases
- Managed the development team and project activities, ensuring task quality and conducting technology research to design system architecture
- Administered the system for the project's server
- Technologies: Python, Flask, JavaScript, HTML/CSS, Linux, Docker

TECHNICAL SKILLS

Programming Languages: Python, Go, SQL, Bash (Intermediate)

Backend Frameworks: FastAPI, Pydantic, SQLAlchemy, Flask

Databases: PostgreSQL, MongoDB, Relational Databases, NoSQL

Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Terraform, CI/CD

Observability: Datadog, OpenTelemetry, Prometheus, Grafana

Frontend: JavaScript, HTML/CSS

COURSES AND CERTIFICATIONS

Log Management Fundamentals - DataDog (2023)

Introduction to Machine Learning - Embedded UFCG (2021)

Introduction to Data Analysis - SPLab UFCG (2020)