

LUCAS DE SOUSA NUNES

Software Engineer | Back-end Developer
(89) 99932-9025 | lucas103101@gmail.com | Picos, Piauí, Brasil

ABOUT

Backend Developer specialized in Python, holding a Bachelor's degree in Information Systems and a Master's degree in Computer Science from the Federal University of Piauí (UFPI). I have experience building scalable, reliable systems with Django, Django REST Framework, and FastAPI.

My background includes cloud infrastructure, containerization with Docker and Kubernetes, event-driven and serverless architectures, messaging systems (Amazon SQS, Celery, Azure Service Bus), caching strategies, and performance optimization. I have worked with e-commerce platforms, payment systems, and shopping cart services, and have developed time-sensitive systems, such as electronic timekeeping solutions, that require precise handling of dates and temporal rules.

TECHNICAL SKILLS

- Python
- Microservice and Hexagonal Architecture
- AWS (EC2, CloudWatch, Kinesis, S3, RDS, ECR, ECS, etc...)
- Django, Django Rest Framework, FastAPI, and Flask
- Docker, Docker Compose, Kubernetes
- PostgreSQL and MySQL
- Redis, DynamoDB, MongoDB
- Celery
- Git, GitHub, Gitlab
- CI/CD, Code Quality (SonarQube), pre-commit
- Pytest and Pytest Async
- Web Scraping
- New Relic, DataDog

EXPERIENCES

Software Engineer. [Mar 2022 - Mar 2026 · 4 yrs]

Zapay Serviços de Pagamentos · Full-time

Brasilia, Brazil · Remote

I work as a Senior Backend Developer, responsible for designing and developing backend services,

web scraping solutions, API integrations, and monitoring systems. I am also implementing and maintaining caching systems using DynamoDB and Redis.

I have a strong focus on code quality, development best practices, and scalable architectures. I also play a technical leadership role in the projects I lead, guiding architectural decisions, fostering team alignment, and ensuring the continuous and sustainable evolution of the solutions delivered.

Software Engineer. [Jan 2024 - Sep 2025 · 1 yr 9 mos]

Cerebrum · Self-employed

Piauí, Brazil · Remote

I worked as a partner and backend developer on a multitenant educational platform focused on online courses, with e-commerce features and a focus on the student experience.

I actively participated in architectural decisions and business strategy development, contributing to the platform's scalability and sustainability.

I was responsible for designing integrations with payment gateways and modeling the assessment and evaluation system to ensure reliability, flexibility, and alignment with educational requirements.

Software Engineer - Backend. [Aug 2020 - Mar 2022 · 1 yr 8 mos]

WORC · Full-time

São Paulo, Brazil · Remote

I developed a deeper understanding of workflow in formal environments by actively participating in sprints driven by agile methodologies such as Scrum, and by collaborating to define ambitious goals and plan meetings, 1:1s, and technical and architectural discussions.

I had the opportunity to work on large-scale projects, notably the development of an electronic timekeeping system. I also contributed to creating dashboards and took on more challenging tasks, which boosted my technical skills and my understanding of application architecture and design.

During this period, I worked with various technologies, including Python, Django, Django Rest Framework, PostgreSQL, AWS, Docker, Docker Compose, and pytest. Furthermore, I deepened my knowledge of event-driven architecture, hexagonal architecture, caching, code quality practices, and CI/CD pipeline implementation.

Full-Stack Software Developer (Internship). [Feb 2018 – Dec 2021 · 3 yrs 11 mos]

Federal University of Piauí (UFPI)

Piauí, Brazil · Hybrid

During my undergraduate studies, I worked as a Software Engineer at the Information

Technology Center (ITC), where I maintained and developed new features for systems supporting the Student Support Center and Graduate Programs, and updated and refactored legacy systems.

ACADEMIC PROFILE

- Bachelor's Degree in Information Systems at Federal University of Piauí - UFPI
 - Teaching Assistant in courses such as Logic for Computing and Databases.
 - Researcher in Cloud Computing with an emphasis on Multi-Cloud environments from a Software Architect perspective. Development of Cloud-Native Applications for Multiple Clouds and Monitoring of Cloud Services based on Quality of Service (QoS) requirements
 - Academic Honors
- Master's Degree in Computer Science at Federal University of Piauí - UFPI
 - Focused on Cloud Computing (Multi-Cloud)