Guilherme Lucas

Curriculum Vitae

Experience

2024 – Present — **Senior Software Engineer, Payments**, *Mindbody*, Remote, Brasil.
- Maintained .NET Core microservices for financial tasks and integrations with Stripe and Global Payments.
- Led Kubernetes capacity planning during high season for the payments team.
- Maintained a React-based financial admin platform used by 1,000+ specialists.
- Participated in the on-call rotation.

2023 – 2024 — **Software Engineer, Finance Systems**, *Telnyx*, Remote, Brasil.
- Built RabbitMQ producers and consumers in Python 3 microservices within AWS Kubernetes.
- Maintained FastAPI and legacy Python services processing $10M/monthly transactions.
- Participated in the on-call rotation.

2021 – 2023 — **Software Engineer II, Outlook Platform**, *Microsoft*, Remote, Brasil.
- Developed and maintained .NET backend services supporting Outlook (REST and gRPC).
- Built an asynchronous .NET assistant running daily for all Outlook mailboxes.
- Created and maintained diagnostics tools in .NET and PowerShell for production issues.
- Migrated the most-used Outlook service from .NET Framework to .NET Core.
- Participated in the on-call rotation.

2019 – 2021 — **Software Engineer, Commercial Software Engineering**, *Microsoft*, Remote, Brasil.
- Contributed to *aks-engine*, an open-source Go project for Azure's Kubernetes service.
- Developed a mandatory TypeScript library supporting organization-wide linting.
- Designed and implemented a Go-based notification system for a large LATAM e-commerce.
- Led deployment of a COVID-19 data API for a major health organization.

2018 – 2019 — **Software Engineering Intern, Commercial Software Engineering**, *Microsoft*, São Paulo, Brasil.
- Created a TypeScript (Angular) web client for a machine learning platform used by 300 data scientists.
- Developed REST APIs in Python, ASP.NET Core, and Java Spring.
- Built a TypeScript client for a trading platform used by thousands of traders.
- Designed distributed cloud apps using Azure, Terraform, Docker, and Kubernetes.

2017 – 2018 — **Data Science Intern**, *CETAX*, São Paulo, Brasil.
- Built big data and machine learning applications using Python 3.
- Introduced and promoted a code review culture.

2016 – 2017 — **Undergraduate Researcher**, *IBM - Unicamp*, Campinas, Brasil.
- Deployed and maintained Minicloud, a free OpenStack cloud for Unicamp students.
- Developed PowerGraph, a Python 3 server monitoring tool.
- Interviewed and mentored new project members.
- Developed OpenCL2CUDA, a Python 3 converter from the OpenCL HPC library to CUDA.

Education

2014 – 2018 — **Computer Engineering**, *University of Campinas (UNICAMP)*, Campinas, Brasil.
- Won 3rd place at Microsoft's Hack the Campus Hackathon with a university data chatbot.
- Volunteer TA for the Digital Circuits course.
- Assisted and taught shell scripting and Linux courses at the Free Software Group.
- Served as VP of the Computer Science and Engineering Student Union (1,000+ students).

Languages

Native	**Portuguese**
Fluent	**English**
Intermediate	**Spanish**
Basic	**French**

Technical Skills

Intermediate	C/C++, Java, TypeScript, Docker, AWS
Advanced	Python, C#, Go, Shell Script, Git, GNU/Linux, Azure, Kubernetes, Terraform