

Guilherme Lucas

Curriculum Vitae

Experience

- 2024 – **Senior Software Engineer, Payments**, *Mindbody*, Remote, Brasil.
Present
 - 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.
 - Led Payments PCI initiative, assuring code integrity.
 - Coached and mentored engineers, enhancing team capabilities.
 - Participated in the on-call rotation.
- 2023 – 2024 **Software Engineer II, 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 **Cloud Computing 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.
 - 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

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

Technical Skills

Intermediate C/C++, Java, TypeScript, Docker, React

Advanced Python, C#, Go, Shell Script, Git, GNU/Linux, AWS, Azure, Kubernetes, Terraform