

# 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 **Artificial intelligence (AI) 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