Vinícius Moraes Lopes

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Software Engineer

Software Engineer with 6 years of experience in back end, scaling distributed systems, real time applications and payment systems in multiple cloud platforms. With a background in Mobile Development and infrastructure management. Led development teams in two companies with a diverse stack on both projects.

Skills:

Programming languages: C|Java|Kotlin|Flutter|Golang|JavaScript|SQL|HCL

Cloud and infrastructure: AWS|GCP|IaC|GitOps|Kubernetes

Skilled in microservices architecture design and deployment

Experienced in database systems like MySQL, PostgreSQL, DynamoDB and Redis

Experienced in containerization using Docker and infrastructure management using Terraform and Kops

Strong backend development skills in Golang and Node.js.

Experience:

SASI, Manaus, Amazonas| Software Architect | November/2019 - Present

- Planned and managed cloud resources and services in two clouds and 11 accounts on our OU.
- Ensured organizational compliance with ISO-27001 and LGPD/GDPR standards.
- Established and directed a top-performing team from the ground up, leveraging expertise in talent identification and hiring to support the product evolution and the company's objectives.
- Maintained and evolved the project to support the company's growth, enabling it to serve hundreds of thousands of users.
- Designed and implemented highly scalable services with Golang and Node.js.
- Delivered a scheduling system integrated to the platform that handles more than 200,000 users every week.

Objeto Inc, Toronto, Canada | Full Stack Development Consultant (Remote) | March/2022 - February/2023

- Customized and optimized a scheduling system based on Cal.com, an Open Source project for scheduling written in TypeScript.
- Collaborated with a cross-functional team to troubleshoot and fix issues in the system.
- Contributed to developing and enhancing calendar integrations, and implemented various helper functions for availability management.

NuCash, Manaus, Amazonas | Mobile and Backend Developer | August/2017 - September/2019

- Integrated with financial services APIs to allow hundreds of instant transactions daily.
- Led the existent team into migrating the mobile application to native technology.
- Revamped the monolithic PHP API by migrating it to Node.js and Golang microservices, resulting in faster team collaboration and reduction of the delivery cycle from 3 weeks to 12 days.
- Optimized API response time in one of the search endpoints, reducing it from approximately 140 seconds to 210 milliseconds, by correctly indexing and caching queries.
- Maintained the Android Mobile Application with small bundle size (around 15mb) and optimal performance, all written in Kotlin.

ZenoSoft Software, Manaus, Amazonas | Mobile and Backend Developer| January/2016 - March/2018

- Developed the first android version of the City of Manaus bus route and schedule tracking app ("Cadê meu ônibus").
- Created APIs and integrations with Node.js and PHP for local fintech startups.
- Conducted the migrations of our clients from a PHP to Node.js API.

RNP Point of Presence in Amazonas (PoP-AM) | Intern | January/2015 - February/2016

- Created integrations and tools for report generation in Perl for extraction of reports from Redmine and Zabbix systems.
- Found and reported a vulnerability that allowed account impersonation by another student through headers manipulation at the college system.

Self Employed | Freelance Website Developer | July/2012- January/2014

- Created websites and integrations with PHP, MySQL and WordPress.

Education:

- Former student from Amazonas Federal University (Universidade Federal do Amazonas) - Computer Engineering
- Training in the Network and Systems Security course from National Education and Research Network (Rede Nacional de Ensino e Pesquisa - RNP-BR) - Superior Network School (Escola Superior de Redes) (SEG-2)
- 3D Gaming Artist Closed Class - Samsung Ocean
- Internship as Android Mobile Developer at OverCoffee Solutions on Cairo-Egypt

Languages:

English - Intermediate

Portuguese - Native