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Summary

Senior software engineer with 7+ years of experience delivering scalable backend solutions that have improved system performance and reliability by 30%. Proven expertise in designing resilient cloud-native architectures and leading cross-functional teams in the education technology sector. Currently specializing in Software Architecture, cloud-native solutions (particularly on Azure and AWS), .NET, Python, and Go.

Experience

2022–present **Staff Software Architect**, *Poliedro Educação*, Florianópolis.

- Achieved a 25% improvement in software quality by promoting better development practices and establishing a Gitflow culture across teams.
- Increased product performance by 30% by designing a base architecture focusing on availability and scalability.
- Strengthened security by improving the QA flow with Trivy and Sonarqube.
- Streamlined deployments by designing a CI/CD flow integrating Gitflow, reducing the deployment time by 50%.
- Applied new methods for software and architecture documentation, utilizing C4 model and ADR documents.
- Delivered a new SSO experience by leading a cross-impact team of 5 Senior Engineers, impacting 10 products. Improving safety and modernizing integrations.
- Enhanced platform reliability by 30% by re-architecting cloud infrastructure and implementing Datadog to establish a robust observability and monitoring practice.
- Architected a new Kubernetes and cloud infrastructure solution, delivering 35% performance improvements and 20% annual cost reductions while enhancing user experience through optimized backend processes and faster response times. The system manages over 13 million daily access during normal operations and handles over 40% more traffic during peak season.

2022–2022 **Lead Backend Developer**, *Conexia Educação*, Florianópolis.

Technical leadership and backend development with emphasis in C#, .NET, MySQL and MSSQL.

- Implemented a new integration with other products using the LTI protocol. This integration is operational and receives multiple positive feedback from clients and managers.
- Helped design, architect, and develop a new option to log into the platform, using QR codes and the MQTT protocol to communicate between systems.
- Led a squad of 13 people with the responsibility of refactoring the system to prepare it for internationalization.
- Spearheaded a team mindset shift toward better coding practices, unit testing, and improved software quality, performance, and scalability, achieving a 15% improvement in software quality.

- 2021–2022 **Senior Backend Developer**, *Compass Uol*, Caxias do Sul.
Backend development with emphasis in C#, .NET, MySQL and MSSQL.
- Perform evolutionary development of applications.
 - Participate in the definition of solutions and technical requirements.
 - Software development in client server architecture and web services.
 - During my tenure here, I was assigned to a client in the education sector, where I joined a development squad responsible for creating new features for one of their major partners. These features included batch user imports, license validations, and integrations with new products. I was subsequently invited to join a high-impact team for the same client, collaborating closely with the Architecture team.
- 2019–2021 **Software Developer**, *Realdrive Simuladores Ltda.*, Caxias do Sul.
- Web development using ASP.Net MVC, this was mainly a management system to be used by driving schools and had integration with our android app, written in Xamarin.
 - Implemented a SQLite DB in the Android app, encrypting some sensitive data and storing it in a safer manner, to increase security and fraud protection.
 - Built a real-time face detection and identification system for access control, leveraging Python, computer vision, artificial intelligence, and microservices architecture. Led the complete project design process, from initial concept through architectural implementation. The project utilized GRPC for real-time, low latency, interservice communication.
 - Created an automated license plate reading system that registers new driving lessons, embedded within a Xamarin mobile application, and designed to function entirely offline. Providing a more fluid experience for users.
- 2018–2019 **Junior Electronic designer**, *Tiptronic Produtos Eletrônicos*, Caxias do Sul.
- Develop and design electronic projects, with an emphasis on firmware development on the ARM architecture using mainly C/C++.

Education

- 2024–2025 **MBA**, *FIAP*, Solutions Architect.
Completed
- 2021–2022 **Graduation - Specialization**, *PUC - Minas Gerais*, Software Engineering.
Completed
- 2013–2021 **Undergraduate**, *Caxias do Sul University*, Control and Automation Engineering.
Completed

Languages

English Proficient
Spanish Basic

Qualifications

Programming Languages C#, Python, C/C++, NodeJS, Go

Frameworks .NET, Django, React, Angular

Databases PostgreSQL, MySQL, MSSQL, MongoDB, Elasticsearch, Redis

Cloud Platforms AWS, Azure

DevOps tools Azure Pipelines, Terraform, Kubernetes, Docker
Architecture Microservices, DDD, SAGA, Clean Architecture, TOGAF
methods
Other Kafka, Apache Pulsar, GRPC, MQTT
Technologies

Certifications

Microsoft Certified: Azure AI Fundamentals

AWS Certified: Solutions Architect Associate

Babson Build Entrepreneurship Program