Paulo Vicente

Senior Backend Engineer | Golang Specialist

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Professional Summary

Senior Backend Engineer with 6+ years of experience architecting and developing high-performance, scalable distributed systems. Golang specialist with proven expertise in microservices architecture, event-driven systems, and cloud-native applications on AWS. Successfully led backend initiatives that improved system performance by 40%+ and reduced latency for millions of users.

Core Expertise: Distributed Systems Architecture • Microservices Design • Real-time Data Processing • Cloud Infrastructure • Team Leadership

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Technical Skills

Languages: Golang (Expert), TypeScript, SQL, JavaScript
Distributed Systems: Kafka, Kafka Streams, RabbitMQ, Redis, Event Sourcing
Cloud & Infrastructure: AWS (SQS, DynamoDB, Lambda, S3, CloudWatch), Docker, Terraform
Architecture Patterns: Microservices, Event-Driven Architecture, Clean Architecture, Domain-Driven Design (DDD)
APIs & Protocols: REST, gRPC, WebSockets, GraphQL
Observability: Prometheus, CloudWatch, OpenTelemetry
Testing & Quality: Go Testing, Test-Driven Development, Schema Validation (Zod)
DevOps: CI/CD (GitHub Actions), Infrastructure-as-Code, Automated Deployment Pipelines

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Professional Experience

Senior Backend Engineer | R10 Score

February 2025 - Present | Cuiabá, MT

- **System Architecture Leadership:** Designed and implemented microservices architecture in Golang, achieving 99.9% uptime and supporting 10x traffic growth
- **Real-time Systems:** Built WebSocket-based real-time features using Kafka and Redis pub/sub, reducing data latency from 500ms to <50ms for dashboard updates

- **AWS Cloud Integration:** Architected cloud-native solutions leveraging SQS, DynamoDB, Lambda, and S3, improving system resilience and reducing infrastructure costs by 25%

- **Code Quality & Standards:** Championed clean architecture and DDD principles, resulting in 40% reduction in bug reports and improved code maintainability

- **DevOps Excellence:** Implemented Infrastructure-as-Code with Terraform and automated CI/CD pipelines, reducing deployment time from 2 hours to 15 minutes

- **Cross-functional Collaboration:** Led technical discussions with product and design teams, translating complex business requirements into scalable technical solutions

Senior Software Engineer | SmartVida

September 2024 - March 2025 | Cuiabá, MT

- **Full-Stack Development:** Built responsive frontend applications with Vue.js and React.js while maintaining backend microservices with NestJS

- **AWS Integration:** Optimized platform performance through strategic AWS service integration, improving response times by 35%

- **Client Collaboration:** Partnered directly with clients and design teams to deliver user-centric solutions meeting business objectives

Software Engineer | Centro Empresarial New Center

February 2024 - January 2025 | Cuiabá, MT

- **Microservices Development:** Developed modular Golang microservices, improving system scalability and enabling independent service deployment

- **Full-Stack Expertise:** Built user-friendly interfaces with Vue.js and React while developing high-performance backend APIs with Node.js and TypeScript

- **Modern Framework Implementation:** Utilized NestJS and Fastify to create efficient, well-structured backend applications

Frontend Engineer | AGGRANDIZE

January 2023 - February 2024

- **Real-time Architecture:** Implemented WebSocket and event-driven patterns with Kafka and Redis, enabling low-latency updates for live dashboards and user interactions

- **Cloud-Native Development:** Built fault-tolerant applications using AWS services (SQS, DynamoDB, Lambda, S3) with high throughput capabilities

- **Development Standards:** Established clean architecture practices and created internal tooling for type-safe API development and observability integration

- **Oracle Commerce:** Developed stable e-commerce applications using ReactJS and Redux for Oracle OSF platform

Software Engineer | Codeby

August 2022 - January 2023

- **E-commerce Development:** Built high-performance e-commerce applications using Vtex IO and FastStore for major retail brands
- **Modern Technology Stack:** Leveraged Next.js, TypeScript, and styled-components to deliver scalable frontend solutions
- **Documentation Excellence:** Maintained comprehensive technical documentation throughout product lifecycle

Software Engineer | JBQ.Global

March 2019 - August 2022 | Remote

- **Enterprise E-commerce:** Developed and maintained Oracle OSF applications with ReactJS for major e-commerce brands
- **Feature Development:** Implemented new functionality using JavaScript, KnockoutJS, and Ajax, enhancing user experience and platform capabilities
- **Quality Assurance:** Conducted thorough code reviews and maintained high development standards across team projects

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Education & Certifications

Computer Science | Harvard University | 2020
FullStack Development Certificate | freeCodeCamp | 2018

Languages

Portuguese: Native
English: Professional Working Proficiency
Dutch: Limited Working Proficiency
Russian: Elementary

Key Achievements

- Architected microservices systems handling 1M+ daily requests with <50ms average response time
- Reduced system deployment time by 87% through automated CI/CD pipeline implementation
- Led backend architecture decisions resulting in 40% improvement in application performance

- Successfully migrated monolithic applications to microservices architecture with zero downtime

- Mentored junior developers and established coding standards adopted across engineering teams