André Ribeiro

Staff Software Engineer

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Brazil

Senior Staff Engineer with 18+ years of expertise in architecting and scaling high-performance, low-latency distributed systems, consistently driving significant business results.

SKILLS

- **Backend Engineering:** Node.js (Expert), NestJS (Expert), JavaScript (Expert), Go, Java, C++, Dart, RESTful APIs, Event-Driven Architecture.
- **Technical Leadership & Strategy:** Technical Vision & Roadmapping, Team Leadership & Mentoring (1 to 50+ engineers), Software Architecture, System Design, Scalable & Resilient Architectures, Cross-functional Collaboration, Agile Methodologies.
- **Frontend Engineering:** Angular, TypeScript, React, HTML5, CSS3.
- **Cloud & DevOps:** AWS (Expert), Kubernetes, GCP, CloudFormation, Terraform, Docker, CI/CD, Logging, Monitoring & Alerting.
- **Database Management:** PostgreSQL, MongoDB, MySQL, Redis, Data Modeling, Database Optimization.
- **Other Technologies:** Firebase, Parse Server, Socket.io, Ionic, Flutter, Keycloak, Kong, Cloudflare, Temporal.io, Metabase, Databricks.

EXPERIENCE

Conduit, USA, Remote - *Senior Software Engineer*
OCTOBER 2025 - Present

- Contributed to the modernization of **core** backend services, specifically focusing on **architectural improvements**, refactoring, and implementing best practices around **data integrity and service communication**, increasing system stability and data integrity by 45%
- **Instrumented and improved observability** across critical applications, establishing essential monitoring and logging standards to reduce the mean time to **detect and resolve production issues**.

- Collaborated with cross-functional partners to establish **early-stage technical standards and documentation**, laying the groundwork for a more scalable and structured software development lifecycle.
- **Tech Stack:** AWS, Kubernetes, Node.js, NestJS, PostgreSQL, NATS, Datadog, Docker, Retool, ArgoCD.

Kanastra, Uberlândia, Brazil - *Senior Staff Engineer*
APRIL 2025 - OCTOBER 2025

- Spearhead the firm's strategic entry into a **new credit vertical** by architecting its **core lending platform** from the ground up.
- Pioneered the adoption of Temporal.io for **durable workflows**, replacing a fragile, in-house solution to significantly increase **system reliability** and reduce developer overhead.
- Instituted the company's **first formal Software Development Lifecycle** (SDLC), introducing structured backlog refinement and Jira metrics to improve project **predictability** and **team velocity**.
- Designed and rolled out a **new technical hiring process** with structured interviews and competency-based scorecards, **reducing** average time-to-hire by **60%**.
- **Tech Stack:** GCP, Kubernetes, Node.js, NestJS, PostgreSQL, MongoDB, Kafka, Redis, Temporal.io, Metabase, Datadog, Docker.

PicPay, São Paulo, Brazil - *Staff Engineer*
MAY 2022 - APRIL 2025

- Architected and led the technical development and scaling of critical fintech products, including PicPay's Flexible Benefits **Credit Card**, **Payroll**, and **Salary Advance**, supporting a user base exceeding **20M+ active users**.
- Scaled backend engineering teams from **1 to 50+ engineer**s, implementing robust processes and fostering a **high-performance culture** across multiple product lines.
- Designed and oversaw the implementation of **highly scalable, low-latency backend systems**, leveraging cloud-native architectures to ensure platform reliability and performance, **achieving 99.99% uptime and <100ms response times** under peak loads.
- Provided strategic **technical leadership**, defining architectural roadmaps, mentoring staff, and driving cross-functional alignment between **engineering**, **product**, and **business stakeholders**.
- **Tech Stack:** AWS, Kubernetes, Terraform, Node.js, Java, NestJS, Angular, React, PostgreSQL, MongoDB, Redis, Kafka, Kong, Keycloak, SNS, SQS, Lambda, Metabase, Databricks, Tekton, ArgoCD, Backstage, NewRelic, Dynatrace, Prometheus, Grafana, Locust, Docker.

Dreamlabs, Ouro Preto, Brazil - *Tech Lead / Staff Engineer*

JULY 2015 - MAY 2022

- Provided end-to-end technical leadership and architectural oversight for **dozens of cloud-based software** and mobile applications, ensuring secure, scalable, and **client-centric solutions**.
- **Managed** and **mentored** cross-functional **frontend** and **backend engineering** teams through full project lifecycles, from conception to successful launch.
- Drove technical strategy and execution, ensuring solutions aligned directly with business objectives and **user experience** goals.
- **Tech Stack:** AWS, Kubernetes, Terraform, Node.js, NestJS, Angular, Parse Server, PostgreSQL, MySQL, MongoDB, Redis, Firebase, Socket.io, Ionic, React, Kafka, RabbitMQ, Lambda, Bugsnag, Cloudwatch, Datadog, Docker, Cloudflare.

Alokium, Ouro Preto, Brazil - *Founder & Lead Developer*

JUNE 2016 - DECEMBER 2021

- Founded and led a tech startup, conceiving and developing a full-stack smart home solution (**proprietary hardware & software**) with a focus on **cost-efficiency** and high performance.
- Managed all phases of product development, **strategic planning**, and go-to-market strategies as a bootstrapped founder.
- **Tech Stack:** AWS, Terraform, C++, Node.js, NestJS, Angular,, MySQL, Redis, Firebase, Socket.io, Flutter, Bugsnag, Cloudwatch, Docker, Cloudflare.

Matiplus, Mariana, Brazil - *Back-End Developer*

JANUARY 2012 - MAY 2015

- Developed and optimized payment processing APIs for credit card transactions, ensuring high performance and reliability for financial services.

MTV Brasil, São Paulo, Brazil - *Fullstack Developer*

MAY 2011 - SEPTEMBER 2013

- Developed and maintained high-traffic web portals, ensuring scalability and reliability for millions of monthly visitors.
- Collaborated across engineering and business units to deliver technical solutions aligned with editorial and strategic objectives.

Doutor Informática, Mariana, Brazil - *Junior Software Developer*

MAY 2008 - APRIL 2011

- Developed POS and financial management software.

EDUCATION

Federal University of Ouro Preto - *Computer Science*

MARCH 2014 - DECEMBER 2018

Focused on Neural Networks and Blockchain research, participating in labs and academic projects.

Volunteered to mentor new students in development workshops, fostering collaboration and technical growth.

Catholic University of Brasília - *Web Development Certificate*

JANUARY 2006 - DECEMBER 2006

Specialized in web development fundamentals.