

Simão Júnior

Backend Engineer

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SUMMARY STATEMENT

Backend Software Engineer with 5+ years of experience developing critical, scalable systems operating in high-availability environments (~15 TPS and 40,000+ monthly transactions). Proficient in Node.js, TypeScript, Elixir, PostgreSQL, MongoDB, Redis, AWS, NATS.io, N8N, AWS (S3, SNS, SQS, Cognito), Python, AI/LLM (Claude, MCP servers) and event-driven architectures.

End-to-end involvement, from planning to production, delivering direct business impact:

- Reduced operational costs by 40% through automation and process optimization using N8N.
- Saved 80 hours/month by automating commercial reports integrated with internal systems.
- Accelerated deployments by 80% (from 5 minutes to 1 minute) by implementing CI/CD pipelines via GitHub Actions, Docker, and Azure Container Registry (ACR).

Strong background in startup environments and lean teams, emphasizing a culture of ownership, technical leadership, documentation (RFCs, ADRs), and decisions driven by technical impact and product value. Solid experience designing and implementing distributed systems, microservices architectures, and asynchronous data processing flows to ensure scalability and resilience.

WORK EXPERIENCE

Caveo | Hybrid

FinAccount focused on the financial life of doctors.

Senior Backend Software Engineer (Jan 2026 - Jul 2026)

- Technically led the refactoring of a legacy system into a microservices and distributed systems architecture, focusing on optimizing the onboarding flow to support the company's goal of reaching 20,000 users.
- Designed and implemented an event-driven architecture (Fan-out pattern) using AWS SNS and SQS, ensuring asynchronous, resilient, and scalable communication between the BFF (Next.js) and the backend.

Caveo | Hybrid

FinAccount focused on the financial life of doctors.

Backend Software Engineer (Mid-level III) (Sep 2025 - Jan 2026)

- Developed backend services using Node.js, TypeScript, Koa.js, and PostgreSQL with TypeORM, AWS (SNS, SQS, Cognito, S3) ensuring high performance and code maintainability.
- Led the integration with business-critical external providers, implementing KYC flows via Qltech and automating operational and sales pipelines via Pipefy and Pipedrive using N8N.

Nextcode | Remote

Technology company specializing in AI-driven digital onboarding, identity verification (KYC), and anti-fraud solutions.

Backend Software Engineer (Mid-level) (May 2023 - May 2025)

- Architected and developed an Onboarding system featuring facial biometrics, OCR, CPF/RF (taxpayer ID) validation, and proof of life, processing over 40,000 monthly transactions (~15 TPS).
- Integrated with Serpro and Receita Federal APIs, increasing approval rates and reducing fraud.
- Implemented a biometric-based risk scoring system, significantly reducing chargebacks.
- Developed a WhatsApp notification service using NATS.io, integrated with company systems.
- Developed and maintained APIs using Node.js, TypeScript, Elixir, PostgreSQL, MongoDB, Redis, AWS, and NATS.io.
- Designed asynchronous data processing flows, automated commercial reports, and data pipelines (ETL/ELT concepts) using N8N and queues, saving 80 hours/month and ensuring 100% SLA compliance—directly resulting in a 40% reduction in operational costs.
- Developed a Flutter mobile application for creating private events with identity validation and KYC functionalities.
- Mentored interns, providing technical support and leadership on internal projects.
- Created CI/CD pipelines with GitHub Actions, accelerating deployments from 5 minutes to 1 minute and eliminating manual tasks.
- Introduced an RFC process for technical decisions, promoting a culture of documentation and alignment.

Nextcode | Remote

Technology company specializing in AI-driven digital onboarding, identity verification (KYC), and anti-fraud solutions.

Backend Software Engineer (Junior) (Aug 2021 - May 2023)

- Created documentation for company APIs.
- Evolved legacy solutions by applying clean code best practices and automated testing.
- Created RESTful APIs using Node.js/Fastify, TypeScript, and MongoDB.

EDUCATION

Bachelor of Information Systems (2018–2021)

Universidade Anhembi Morumbi, São Paulo, Brazil

TECHNICAL SKILLS

- **Languages & Backend:** Node.js, JavaScript, TypeScript, Python (Familiar), Elixir, SQL, REST APIs, Git.
- **Databases:** PostgreSQL, MongoDB, Redis, MySQL.
- **Messaging & Integrations:** AWS SNS, AWS SQS, NATS.io, External APIs (Serpro, Receita Federal), Webhooks.
- **DevOps & Infrastructure:** AWS, Docker, Kubernetes (Familiar), GitHub Actions, Portainer, CI/CD, N8N.
- **Concepts & Architectures:** Distributed Systems, Microservices, Event-Driven Architecture, Data Pipelines & ETL/ELT concepts, Asynchronous Processing.
- **Automation & Tools:** Technical RFCs, ADRs, Documentation, Mentoring.

LANGUAGES

- English - Advanced
- Portuguese - Native