

Thallis Andre Faria Moreira

Senior Software Engineer | Tech Lead — Backend (Node.js, AWS, AI/RAG)

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Brazil (GMT-3) | Open to remote roles

SUMMARY

Senior Software Engineer and Tech Lead with **8+ years** of career progression from developer trainee to Tech Lead, building backend microservices and cloud-native systems in Node.js/TypeScript on AWS across fintech, legal tech, and edtech. Architected a Generative AI/RAG platform that cut legal document research **from hours to minutes** over **100K+ processed documents**, and engineered a multi-tenant SSO identity layer serving **10K+ users across 5+ products** while reducing monthly AWS spend by **~25%**. Previously modernized corporate credit systems supporting a **multi-billion-real credit portfolio** at Itaú Unibanco, the largest bank in Latin America. Promoted to Tech Lead within **~12 months** and now leads **8+ engineers**; holds **3x AWS certifications**.

SKILLS

Languages: TypeScript, JavaScript, Python, SQL

Frameworks & Libraries: Node.js, NestJS, Next.js, React, Angular

AI & Data Engineering: RAG Pipelines, LLMs, Embeddings, Vector Search (PGVector), Semantic Search, OCR, Document Processing

Architecture & Patterns: Microservices, Event-Driven Architecture, Domain-Driven Design, Hexagonal Architecture, Serverless, REST API Design (OpenAPI), High Availability

Cloud & DevOps: AWS (ECS, EKS, Fargate, Lambda, S3, API Gateway), Kubernetes, Docker, Terraform, CI/CD (GitHub Actions, GitLab CI, Jenkins)

Databases & Observability: PostgreSQL, MongoDB, Redis, MySQL, Datadog, Prometheus, Grafana

Testing & Quality: TDD, BDD, SOLID, SonarQube, Code Review

EXPERIENCE

New Rizon

Remote, Brazil

Senior Software Engineer, promoted to Tech Lead

May 2023 – Present

Brazilian B2B software company (~60 employees) building legal tech, edtech, and Business Intelligence products.

- Promoted to Tech Lead within **~12 months**; lead **8+ engineers** across **5+ products** by standardizing architectural patterns, translating ambiguous business requirements into actionable technical roadmaps, and unblocking delivery through solution reviews and technical prioritization.
- Architected and led a Generative AI/RAG platform for the legal sector — enabling natural-language search and answers over **thousands of complex documents** using LLMs, embeddings, vector search, and retrieval pipelines, cutting document research time **from hours to minutes**.
- Architected a multi-tenant identity microservice (auth/SSO) serving **10K+ users across 5+ applications**, establishing the company's centralized authentication standard and eliminating fragmented auth implementations.
- Leading the evolution of a file management and processing microservice that performs large-scale extraction, OCR, indexing, vectorization, and semantic search over **100K+ files** (PDFs, scanned documents, images, spreadsheets) — the data foundation powering the company's RAG and semantic-search products.
- Designed the ms-dashboards microservice from scratch using Node.js, clean architecture, and modular REST APIs, targeting scalability for **10,000+ concurrent users**.
- Reduced monthly AWS cloud spend by **~25%** by right-sizing ECS/Fargate services, adopting Fargate Spot for asynchronous document processing, tuning Lambda memory allocation, and automating S3 lifecycle policies — while preserving high availability.

NTT Data — assigned to Itaú Unibanco

Remote, Brazil

Senior Software Engineer

Jun 2021 – May 2023

Global IT consultancy; client engagement at Itaú Unibanco, the largest bank in Latin America.

- Migrated critical capabilities of strategic corporate credit products (Conta Garantida and Giro) from legacy monoliths to microservices using Java, Spring Boot, Angular, and AWS — supporting a **multi-billion-real credit portfolio** and **tens of thousands of corporate clients**.
- Reduced deployment lead time **from hours to minutes** by implementing CI/CD pipelines with GitHub Actions, automating build, test, and deploy of containerized applications on AWS — improving delivery predictability for the squad.
- Raised the team's technical quality bar through API contract definition, code reviews, architecture discussions, automated testing, SOLID principles, and integration standardization.

Decisão Sistemas

Goiânia, Brazil

Junior Software Developer

Nov 2019 – Jun 2021

Financial management software for Brazilian micro-credit institutions (Empresas Simples de Crédito).

- Engineered payment modules, external API integrations, and Angular/Node.js web interfaces for a micro-credit lending platform — streamlining the end-to-end transaction lifecycle for lending operations while hardening critical components with TDD.

ELO Empresa Júnior

Goiânia, Brazil

Software Developer Trainee

Nov 2018 – Dec 2019

Student-run software consultancy at the Federal University of Goiás.

- Delivered client-facing web and e-commerce applications using React.js, React Native, and REST APIs, while leading internal Docker and React training for **10+ members** — standardizing engineering practices across the team.

EDUCATION

Postgraduate Degree, Software Architecture

Oct 2025

FIAP (Faculdade de Informática e Administração Paulista)

Specialization covering distributed systems design, microservices, scalability patterns, and enterprise architecture — directly applied to Tech Lead responsibilities in high-throughput backend environments.

B.S., Computer Engineering

Dec 2024

Federal University of Goiás (UFG)

Full engineering curriculum with strong foundations in algorithms, data structures, operating systems, computer networks, and software engineering principles.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate | AWS Certified Developer – Associate | AWS Certified Cloud Practitioner

LANGUAGES

English (Advanced) • Portuguese (Native)