

AMANDA CASTRO

Full Stack Engineer · Java · Kotlin · React · TypeScript · AWS · AI
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SUMMARY

Full Stack Engineer with hands-on experience in **Java Spring Boot, Kotlin, React and TypeScript** — event-driven microservices on AWS, 95% test coverage and a **live AI agent** (automated customer support with ticket triage, AI-generated batch responses and approval flow, tns). Postgraduate in BI, Big Data and AI. AWS Certified Cloud Practitioner. 20+ products in production.

TECHNICAL SKILLS

Languages: Java, Kotlin, TypeScript, JavaScript, SQL

Backend: Spring Boot, WebFlux, WebSocket, Node.js, REST API, GraphQL, OpenFeign

Messaging: RabbitMQ, Kafka, ActiveMQ, SQS/SNS · **DB:** PostgreSQL, MongoDB, Aurora, Supabase, Flyway

Frontend: React, Next.js, Tailwind CSS, HTML5, CSS3, Storybook

Cloud & DevOps: AWS (EC2, Lambda, Cognito, Aurora, API Gateway, SQS), Azure, Docker, Linux, CI/CD

Security: OAuth 2.0, JWT, Spring Security, Cognito · **Testing:** JUnit, Mockito, Jest, Vitest

EXPERIENCE

Full Stack Developer

Apr 2025 – Present

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- Development of an **automated customer support system** with Jira-style ticket triage, **AI-generated batch responses** and an approval flow for executing actions on external platforms — **live AI agent in production**.
- Building of CMS platforms powering web and mobile, an infinite-scroll news portal (Next.js) with Core Web Vitals focus, and React + TypeScript features with Atomic Design; serverless workloads on AWS Lambda and Cloudflare Workers.
- Lead generation landing pages: **40,000 organic leads**, ~1 min avg. session, **+30% conversion**; continuous A/B testing.

Full Stack Developer

Mar 2025 – Present

CapLink

- Maintained RESTful and GraphQL APIs (Node.js / TypeScript) with Clean Code — optimized PostgreSQL queries and kept test coverage above **80%** (Jest, Vitest).
- Built a **shared React component library** (microfrontend-ready) documented in Storybook; Docker environments, Scrum and Kanban.

Junior Java Back End Developer

Jun 2024 – Jan 2025

Compass UOL

- Event-driven microservices in **Java Spring Boot** (WebFlux, WebSocket, RabbitMQ) for an Internal Developer Platform (IDP) with Hexagonal Architecture.
- End-to-end security: **OAuth 2.0, Spring Security, JWT and AWS Cognito**; integrated Lambda, SQS, SNS, EC2, API Gateway and Parameter Store via AWS SDK and CLI.
- 95% test coverage** (JUnit, Mockito, unit, integration and system tests); schema migrations with Flyway across PostgreSQL and AWS Aurora.
- Solved a concurrency problem: real-time Jenkins build tracking via concurrent WebSockets with session-scoped JWT and multi-threaded execution.

Full Stack Web Developer

Oct 2022 – Present

Freelance

- 20+ products** in production. Highlight: **Dolphin Talk** — mobile-first English pronunciation SaaS with **Azure Cognitive Services AI**, Next.js BFF Route Handler, Supabase Storage with signed URLs and credit-based plans (Mar–Apr 2026).
- Other projects: multi-axis catalog with advanced filters and Google Maps (MultiPoint Automotive); custom CMS + Google Reviews API integration (One Help Informática); B2B landing pages with transactional email and JSON-LD for SEO.

EDUCATION

Faculdade Focus

May 2025 – Jan 2026

Postgraduate (Lato Sensu) — Business Intelligence, Big Data & Artificial Intelligence

Fatec Registro

Feb 2022 – Dec 2024

Bachelor's Degree — Multiplatform Software Development

CERTIFICATIONS, PUBLICATIONS & LANGUAGES

AWS Certified Cloud Practitioner (2023) · AWS Partner: Cloud Economics Accreditation · AWS Partner: Sales Accreditation (Business) · RabbitMQ with Java, Spring Boot & Spring MVC · Complete Java Certification Course

Publication: SOFIA — AI Software for Early ASD Diagnosis with **Kotlin**/Spring Boot/Flask stack (Qualis B2, 2024) · **Languages:** Portuguese (native), French (basic), English (advanced)