

FILIFE BESSA

Senior Back-end Engineer | Java · Spring Boot · Microservices

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SUMMARY

Senior Back-end Engineer with 6+ years building distributed, production-grade systems in Java/Spring Boot. Experience designing cloud-native microservices on AWS and Azure, applying Domain-Driven Design (DDD), Hexagonal Architecture (Ports and Adapters), and Clean Architecture.

EXPERIENCE

Senior Back-end Engineer

Loomi · 01/2026 - Present · Remote

- Architected the core decision-engine microservice on a real-time decision platform (Java, Spring Boot, gRPC) with Clean Architecture and DDD, evaluating complex business rule trees with low-latency end-to-end performance
- Led the MLOps deliveries on Databricks (Asset Bundles, MLflow, XGBoost, Hyperopt) covering champion/challenger promotion, evaluation gates, model registry governance, and ONNX export, driving the team's ramp-up into ML in alignment with the data engineering leadership
- Defined the discovery and study strategy for ML adoption on a back-end team without prior data/ML background, delivering proofs-of-concept feeding the decision engine
- Designed and integrated microservices on Azure AKS with Apache Kafka event streaming, PostgreSQL, gRPC contracts via Protobuf/Buf, and shared architectural patterns standardizing new services across the team
- Acted as architecture specialist on a 3-month engagement for a major Brazilian agribusiness cooperative, participating in stakeholder and business flow discovery sessions, mapping the legacy landscape, and surfacing critical gaps in authentication, integration, and data freshness
- Authored AS-IS / TO-BE architecture proposals covering Azure cloud infrastructure services, module decomposition, centralized IAM, asynchronous data refresh, and an API gateway pattern, ready for subsequent implementation by engineering teams

Senior Back-end Engineer

Axur · 12/2024 - 12/2025 · Remote

- Reduced the engineering team's operational workload by automating SSO login configuration for clients, decreasing support tickets by 20% and accelerating the onboarding process for new customers
- Designed and implemented microservices for confidential features in a strategic product initiative
- Modernized legacy codebase by applying DDD and Clean Architecture, improving maintainability and modularity

Back-end Engineer

Simples Dental · 04/2024 - 12/2024 · Remote

- Developed new features and performed refactoring within the company's back-office system
- Identified design and architectural issues in the main project of the product
- Led weekly back-end chapter meetings, bringing system design issues to be discussed and resolved with other developers
- Provided technical mentorship to less experienced developers within the company
- Delivered tech talks on code reviews, commit patterns such as Conventional Commits, and unit testing, highlighting their importance for system quality and health
- Created technical documentation to establish standards for developers to follow

LANGUAGES

English Advanced
Portuguese Native

CERTIFICATIONS

- Microsoft Azure Data Fundamentals (DP-900)
- Microsoft Azure Cloud Fundamentals (AZ-900)

EDUCATION

MBA Full Cycle Architecture (coursework)

Full Cycle
06/2024 - 12/2024

Systems Analysis and Development

Federal Institute of Science And Technology of Pernambuco (IFPE - Campus Recife)
09/2021 - 02/2026

Electronic Engineering coursework

Federal University of Pernambuco (UFPE)
03/2015 - 07/2020

Advanced Front-end Bootcamp

Alura
07/2021 - 11/2021

SKILLS

Backend

Java (8, 17) Spring Boot Spring Data JPA
Spring Security Spring Cloud JPA Hibernate
Flyway JUnit Mockito Node.js Nest.js
TypeScript JavaScript Prisma ORM
TypeORM Python 3 Django REST Framework
Kotlin PostgreSQL MySQL MongoDB
NoSQL Redis RESTful API GraphQL SQL

Architecture and Good Practices

Design Patterns SOLID Clean Code
Clean Architecture Hexagonal Architecture
Ports and Adapters Domain-Driven Design (DDD)
Microservices Test-Driven Development (TDD)
Conventional Commits

DevOps & Cloud

Docker Kubernetes Amazon AWS AWS S3
Microsoft Azure Linux CI/CD
GitHub Actions GitLab Vercel Dokku
RabbitMQ Datadog Dynatrace New Relic

ARCHITECTURE AND GOOD PRACTICES

Hexagonal Architecture / Ports and Adapters
Clean Architecture SOLID Clean Code
Unit Tests Integration Tests E2E Tests
Data Structures
Domain-Driven Design (DDD)
Conventional Commits

Back-end Engineer

Bradesco • 10/2023 - 04/2024 • Recife - PE - Brazil (hybrid)

- Worked on a cloud-native project utilizing Spring Boot 3, Java 17, and Azure Cloud
- The project followed Domain-Driven Design (DDD) principles and implemented Hexagonal Architecture (Ports and Adapters)
- Integrated an investment application with the bank's mainframe system
- Earned two Azure certifications: Azure Fundamentals (AZ-900) and Azure Data Fundamentals (DP-900)

Back-end Engineer

Duit Works - Freelancer • 06/2023 - 10/2023 • Remote

- Built a Nest.js back-end integrating low-code/no-code tools (Jestor, RD Station) using PostgreSQL, Prisma ORM and Docker
- Created a landing page and multi-step lead form for a major startup conference in Mexico using React, Next.js, Material UI (MUI), Formik, Jest and React Testing Library
- Implemented front-end internationalization with i18next
- Set up CI/CD pipeline with GitHub Actions for code quality and unit tests
- Deployed front-end to Vercel and back-end to a Dokku PaaS with Docker containers

Full Stack Engineer (Back-end Heavy)

Ília (allocated at Clickbus) • 06/2022 - 06/2023 • Remote

- Automated the white-label creation process with the team, reducing creation time from 1 week to 2 days
- Developed Spring Boot microservices on Java 8, with unit tests using JUnit 4, JUnit 5 and Mockito
- Used MySQL as RDBMS and Flyway for database migrations
- Used AWS S3 to store static files
- Built internal UI with React, Next.js and encapsulated Material UI components, with unit tests in Jest and React Testing Library
- Owned monitoring/observability routine using Datadog and Dynatrace
- Worked under Kanban with Jira for team and process organization

Full Stack Engineer

Porto Digital — Temporary Contract • 09/2022 - 10/2023 • Remote

- Led the front-end team and represented it in business meetings, reviewing pull requests on GitHub
- Configured the repository with Husky hooks and ESLint to enforce code analysis before push
- Set up Jest and React Testing Library for unit testing
- Built UI with React, React Hooks, Tailwind CSS, and encapsulated Material UI components for flexibility and maintainability
- Integrated front-end with RESTful APIs to render map interactions using react-map-box, React Deck GL, and Leaflet
- Used Context API for state management; modeled databases with ER diagrams after team inception sessions
- Built back-end features with TypeScript, Nest.js, Node.js, and MongoDB; team operated under Scrum

Full Stack Engineer

Beliva — Part-time • 04/2021 - 05/2022 • Remote

- Developed front-end features using Angular, TypeScript, NgRx, Material UI, and Sass
- Configured ESLint and Husky hooks to improve code and commit message quality
- Updated Python and Django REST Framework versions on the back-end
- Developed features in the Django REST Framework back-end
- Improved back-end code following the PEP8 style guide and Black formatter

Frontend Engineer

Duit Works - Freelancer • 08/2020 - 12/2020 • Remote

- Built the front-end of a platform for monitoring patients' clinical exams with React, React Hooks and Bootstrap
- Managed application state with Redux and Redux-saga
- Built data visualizations with react-chartjs-2
- Implemented i18n with react-i18next
- Used Asana to organize demands, holding weekly progress meetings with the client