

# Juan David Bermúdez

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## Summary

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Experienced Java backend developer skilled in building software solutions from scratch. I have mainly worked on projects for financial companies. As a developer, I prioritize user feedback and maintain a strong focus on product quality.

## Education

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**Systems Engineering** Oct 2020 – present  
in National Open and Distance University Virtual

**Systems Engineering** Jan 2013 – June 2018  
in Autonomous University of the Caribbean Barranquilla

- Transfer to National Open and Distance University

## Experiencie

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**Analista QA** Remote  
Freelance July 2025 – present

- Develop automated tests with Serenity BDD applying the Screenplay Pattern.

**Desarrollador Backend** Remote  
Remoti Oct 2025 – Nov 2025

- I supported the development of microservices using Spring Boot and Java 17.
- I performed maintenance and optimization functions for the services deployed on AWS.
- I migrated a Redis database to Valkey with AWS CloudFormation.

**Software Consultant** Ríohacha  
Asodegua (Association of Educators of La Guajira) Dec 2024 – Mar 2025

- I led the requirements analysis for the development of an internal management system for the association.
- I designed a monolithic architecture with basic navigation, consisting of 4 web modules with CRUD operations and an additional module for dynamic PDF certificate template editing.
- I implemented the system using the JHipster platform, with Java 21, Spring Boot 3.4, Vue 3 for the frontend, and PostgreSQL as the relational database.

**Java consultant** Remote  
SMX Services & Consulting May 2022 – Aug 2023

- I collaborated in the development and maintenance of new authentication and authorization microservice features based on OIDC, developed with Java 8 and Spring Boot 2.x.
- I implemented service integration with AWS DynamoDB and exposed functionality through AWS API Gateway.
- I participated in the development of the authentication frontend using Angular.
- I proposed and collaborated in implementing structural improvements to the microservices architecture.

**Software developer**

Wolox Colombia (Now Accenture Colombia)

Remote

Oct 2020 – Sept 2023

- I collaborated in migrating a banking monolith developed in COBOL to a microservices architecture with REST APIs developed in Java 8 and Spring Boot 2.2, using WebFlux for reactive communication between services and consuming data exposed through Mulesoft middleware. Additionally, I implemented integration with the private traceability platform SEEMAs.
- I served as Technical Lead on the project for approximately 5 months, leading the implementation of new requirements and supporting the definition of strategies for resolving client incidents.
- I participated in the end-to-end development of a payment gateway based on an event-driven architecture (EDA), using Apache Kafka and microservices with Java 17, Spring Boot 3, and its reactive stack (WebFlux).
- I collaborated in standardizing code style and indentation across projects, as well as training junior team members.
- I contributed to the development of multiple BFFs (Backend for Frontend) containerized with Docker for a banking sector project.

**Software engineering analyst**

PersonalSoft S.A.S Colombia / Panama

Medellín

Aug 2019 – Sept 2020

- I collaborated closely with backend and frontend developers to define service contracts.
- I developed SOAP service integrations in IBM Integration Bus using ESQL and IBM MQ, and additionally implemented REST API integrations in IBM API Connect using JavaScript and YAML specifications.
- I ensured integration quality through unit, integration, end-to-end (E2E), and performance testing.

**Junior developer**

Fintra S.A.

Barranquilla

Mar 2018 – Aug 2019

- I collaborated in requirements analysis to incorporate new modules and interfaces into the credit management and analysis system.
- I implemented business logic in the backend through PostgreSQL stored procedures, and developed interfaces using MVC and DAO patterns with JDBC.
- I promoted and carried out the system upgrade from Java 6 to Java 8, improving compatibility and overall performance.
- I implemented an on-premise GitLab server for version control, replacing the previous SVN-based solution.
- I collaborated in developing the company's first REST API for its website, using Java and JAX-RS.

**Trainee**

Redis - Redes y Sistemas Integrados S.A.S

Barranquilla

Apr 2017 – Oct 2017

- I performed requirements analysis for a web-based project and inventory management system during my professional internship.
- I designed the overall system architecture, including the database model optimized for SQL Server.
- I developed the backend in Java 8 and the frontend using HTML, CSS, and JavaScript with jQuery, without additional frameworks or server-side rendering.
- I deployed the application on an Apache Tomcat server, ensuring proper configuration and stable operation.

## Skills

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**Methodologies & Architectures:** Scrum, Ágil, TDD, BDD, DDD, Microservices, SOA, EDA

**Languages:** Java (8-21), SQL, TypeScript, JavaScript, XML, HTML, CSS

**Backend Frameworks:** Spring Boot, Spring WebFlux, Spring Data, Spring Security, Spring Cloud(Bus, Stream, Circuit Breaker, Sleuth, Function, OpenFeign), Micrometer Tracing, Spring REST Docs, Java EE, JAX-RS, JAX-WS, Jhipster

**Frontend Frameworks:** Angular, Vue 3, TailwindCSS, Bootstrap

**Testing libraries:** JUnit, TestNG, Citrus, Jmeter, Mockito, Cucumber, Serenity BDD, Karate, Insomnia, Postman, Newman, SoapUI

**Software and tools:** Linux, Kubernetes, Docker, GraalVM, IBM Integration Bus 10, IBM MQ 9, API Connect, Artifactory, Apache Kafka, RabbitMQ

**Servers:** Tomcat, Undertow, Wildfly, TomcatEE, Jetty

**Databases:** Postgresql, MySQL, Oracle, SQL Server, MongoDB, DynamoDB, CosmosDB

**Platforms:** Heroku, Digital Ocean, Azure, AWS

**Cloud services:** App Services, Azure Functions, Azure Service Bus, AKS, AWS API Gateway, AWS S3

**DevOps:** Azure DevOps, Jenkins, GitLab, GitHub

**Observability:** New Relic

**Code quality:** Qodana, SonarQube, Kiuwan

## Lenguajes

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**English:** [Reading and listening C1](#), writing and speaking B1

**Español:** native