Gabriel | Software Engineer

SUMMARY

Gabriel is a highly skilled Software Engineer with over 8 years of experience, primarily focused on backend development using Java and a variety of modern technologies. He has a proven track record of designing and implementing robust, scalable data processing platforms and applications, with significant exposure to large-scale systems in fintech, banking, e-commerce, and logistics industries.

His core expertise lies in Java and Spring Boot, building microservices and RESTful APIs following clean architecture principles and design patterns (SOLID). He has extensive experience with both batch and stream data processing, leveraging tools such as Apache Spark and working with distributed processing frameworks. He has also worked on end-to-end pipelines, orchestrated with Airflow, and implemented data workflows with a strong emphasis on performance and reliability. As for frontend development, he worked with both Angular (for 4 years) and React a few years ago.

In the data domain, he is proficient with SQL and relational databases (PostgreSQL, MySQL, Oracle), as well as modern data platforms like Snowflake (1.5 years in lab settings), Cassandra, and DynamoDB. He is experienced in writing optimized stored procedures and using tools like SnowSQL for managing and querying large datasets.

His background includes working in Linux environments, using containerization and orchestration tools such as Docker and Kubernetes, and setting up CI/CD pipelines through GitLab, GitHub Actions, Jenkins, and Azure DevOps. He also has hands-on experience with AWS (6+ years), and past exposure to GCP and Azure.

He has a foundational understanding of machine learning concepts and has implemented basic models in production contexts. He is familiar with Ruby on Rails from earlier roles, used for integration with legacy systems.

He demonstrates strong testing practices, including writing unit, integration, load, E2E, and contract tests using tools like JUnit and others. His collaborative approach has allowed him to work closely with cross-functional teams including product, data science, and DevOps to deliver integrated and high-impact solutions.

Currently, Gabriel also uses Kotlin (3 years), though to a lesser extent compared to Java. Approximately 80% of the JVM applications he works on are written in Java, while around 20% are developed in Kotlin

Beyond his technical capabilities, he has leadership experience, mentoring junior engineers and driving teams toward sprint and quarterly goals. He's known for his problem-solving mindset, clear communication, and ability to bridge business needs with technical execution.

CORE SKILLS

- Java
- Spring Boot
- SQL
- Ruby on Rails
- Apache Spark
- Python
- Rust
- PostgreSQL
- Snowflake
- Cassandra
- DynamoDB
- SnowSQL
- NodeJS
- MySQL
- Docker
- CI/CD
- Oracle
- GitLab
- GitHub Actions
- Jenkins
- Azure DevOps
- Kafka
- RESTful APIs
- RabbitMQ
- Redis
- Elastic Search
- AWS
- Azure
- GCP
- Unit Testing
- Integration Testing
- Load Testing
- E2E Testing
- Contract Testing
- Kubernetes
- Linux
- JUnit
- Airflow

WORK HISTORY

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Staff Software Engineer

October 2024 - Present

- Lead technical initiatives to build logistics optimization solutions focused on cost reduction and KPI improvement.
- Utilize Java, Python, and Rust to develop scalable decision-making models based on machine learning and simulations in distributed systems using AWS.
- Skills: Java, Rust, Python, Datadog, Airflow, AWS, terraform, Databricks, Kafka, Kubernetes, gitlab ci/cd, Postgres, DynamoDB, kotlin

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Tech Lead Software Engineer

March 2024 - October 2024

- Lead the technical team in building financial products using Java, Node.js, and AWS technologies.
- Ensure high-quality software development practices and mentor junior developers.
- Skills: Java, NodeJS, Python, New Relic, AWS, Airflow, terraform, Oracle, Postgres, DynamoDB, github actions, Kubernetes.

Banco Bmg

Tech Lead Software Engineer

November 2021 - March 2024

- Improved the scalability of the main application from 300 to 2,000 users simultaneously by breaking the monolith using the strangler pattern.
- Migrated applications from on-premise servers to AWS, enhancing availability and scalability by 90%.
- Created an event stream for real-time transaction processing, reducing balance reconciliation issues by 95%.
- Skills: Java, Rust, NodeJS, C#, .NET, Dynatrace, AWS, Azure DevOps (CI/CD), Oracle, Postgres, DocumentDB, cloudformation.

ValueLabs

Senior Software Engineer

March 2023 - October 2023

- Reduced memory usage by 20% by upgrading Java from version 11 to 17 and optimizing Spring Boot applications.
- Refactored SQL scripts on Redshift to decrease data set creation time by 50% for large datasets.
- Skills: Java, Spring, JUnit, Sonar, Amazon Redshift, Snowflake, ECS, S3, SNS, SQS, Kafka, GitHub, Jenkins, cloudformation, SnowSQL, PostreSQL, Apache Spark

Zoom & Buscapé

Senior Software Engineer

December 2020 - November 2021

- Enhanced scalability over 20x for Black Friday by breaking a domain from the monolith into a new microservice using Rust.
- Contributed to a 3x increase in sales on Black Friday by creating a microservice to send cash back to customers.
- Implemented canary deployments to reduce production issues of new feature releases by 90%.
- Developed a robot to process spreadsheets with orders, improving sales tracking by 10x.
- Skills: Rust, Java, NodeJS, TypeScript, Postgres, SQS, SNS, Lambda, ECS, MSK, Athena, S3, GitLab CI/CD, Locust, Tests (unitary, integration, load, contract, E2E), Terraform, NewRelic, Apache Hive

Deltapoint

Senior Software Engineer

October 2020 - October 2021

- Migrated infrastructure from Heroku to AWS, reducing costs by 70% using a Lambda stack.
- Rewrote a Ruby on Rails monolith to AWS Lambda architecture with Node.js and TypeScript, improving scalability from 200 to 3,000 users simultaneously.
- Refactored a microservice to utilize AWS SES service, enhancing scalability of customer offer emails by 10x.
- Skills: NodeJS, TypeScript, Ruby on Rails, Postgres, Serverless Framework, Jest (unit/integration tests), Lambda, SQS, SNS, S3, XRay, Amazon SES.

Ame Digital
Software Engineer
April 2020 - November 2020
- Implemented AWS XRay monitoring for all serverless stacks, reducing production bug resolution time by 10x.
- Optimized CI/CD pipeline build times by 10x by creating a Lambda layer for common external dependencies.
- Developed a real-time microservice to track price changes in POS, decreasing fraud issues by 3x.
- Utilized Infrastructure as Code (IaC) with CloudFormation to reduce time to market for new microservices by 10x.
- Skills: Java, Gradle, Groovy, Spring, Golang, NodeJS, TypeScript, Electron, AngularJS, MongoDB, DynamoDB, ElasticSearch, Logstash, Kibana, XRay, Lambda, Kinesis, Redis, Docker, ElasticBeanStalk, SNS, SQS, Kinesis, S3, RabbitMQ, MQTT, Bamboo CI/CD, Tests (unitary, integration, load, contract, E2E), Stored Procedures, GCP

Spread Tecnologia
Software Engineer
October 2018 - April 2020
- Migrated from old Java (EJB) to Java 8 with Spring, decreasing processing time by 10x.
- Created a real-time Java microservice to replace Cobol batch routines, reducing information delay by 30x.
- Transitioned from servlets and JSP to Angular 8 SPA, enhancing user experience.
- Adopted Test-Driven Development (TDD), achieving a 95% reduction in production bugs.
- Skills: Java 8, Spring Boot, JUnit, JBoss EAP 7, Angular 8, Jasmine, RxJs, GIT, Jenkins, GitLab, SQL Server, IBM MQ, DB2, NodeJS, Jest, Servlets + JSP, EJB, Docker, Stored Procedures

SONDA
Junior Software Engineer
March 2017 - May 2018

- Created automation for accountability enhancement, decreasing financial report generation costs by 20x.
- Improved service architecture by utilizing message queues to process routines asynchronously.
- Skills: Java 8 (J2EE), Hibernate, Spring, OracleDB, SQL Server, JQuery, JavaScript, JUnit, Weblogic, SVN, REST, SOAP, Jenkins (CI/CD), IBM MQ.

EDUCATION

University Estácio de Sá
Bachelor of Science in Information Technology
Jan 2016 - July 2018

LANGUAGES
Portuguese: Native
English: B2+/C1