

JAVIER ANDRES RIVERA CASALLAS

BACKEND SOFTWARE ENGINEER

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PROFESSIONAL OVERVIEW

Systems engineer with 8+ years of experience in software engineering and currently working as an architect and backend engineer. Passionate about software development, new technologies and innovation.

experience working with cloud technologies like aws, gcp working with serverless applications and containerized applications, in addition working with SQL, NOSQL databases and handling frameworks such as Spring, Spring boot, hibernate among others.

I stand out for my leadership and commitment, for my good teamwork and perseverance in what I propose day by day. I'm a proactive person very fulfilled, responsible with my duties, I seek every time to be better in my work and therefore be in constant learning, I like to be up to date with what is in the market always having a goal that helps me to be more in the forefront and be always competitive for my skills.

Roles

- Backend Engineer
- Architect

Solutions

- Product Lifecycle Management (PLM)
- Enterprise Application Integration (EAI)
- Custom Web applications
- Migration of Applications

Industries

- Transportation & Supply chain
- Financial
- Entertainment
- AI
- HealthCare

Technologies or Methodologies

- Java 11 – Java 17
- Java SE, EE
- JPA
- Hibernate
- Spring boot
- Spring Framework
- Junit/Mockito
- Rest Web Services
- Soap Web Services
- SQL/NOSQL DB
- Kubernetes
- Docker
- TeamCity
- Jenkins
- GitHub
- GCP
- GAE
- GCP Pub/Sub
- AWS
- SQS, SNS, SES
- ElasticBeanStalk

- ECS, EKS
- API Gateway
- AWS Lambda
- AWS S3
- CloudFront
- CloudFormation - IAC
- Octopus
- Elasticsearch
- MongoDB
- Firestore
- Scrum
- Microservices
- CQRS
- Event Driven Architecture
- Serverless applications knowledge
- Containerized applications knowledge

Key Engagements

<i>Disney Parks entertainment company</i>	Senior software engineer	Migrate design and develop an application to manage workers shifts applying business rules making use of serverless power to process thousands of shifts in parallel and deliver the final result into a system.
<i>ATH Portal Banking</i>	Semi Senior Consultant engineer	Design and create an application to enroll facilpass (third party) users with their banking accounts and allow the user to pay through road tolls using the facilpass card attached to its account.

Education

2010 - 2015 Systems engineer
Bogotá, Colombia Escuela Colombiana de ingeniería

2008 Studying English
Bogotá, Colombia Lincoln English Center

Professional and Business Experience

Perficient LATAM.

2021/05

Role: Senior Backend Software Engineer

“Perficient is a worldwide digital consultancy that provides technological solutions for their Business-Clients in US, Latin America and India”

Project: LTL-Web Team

Main responsibilities included:

- My main responsibilities were do code reviews, gather requirements from product and develop the application making sure to carry on the functionalities needed from develop towards preprod environment.
- Migrating on-premises features to microservices in GKE and ensuring to meet the guidelines and deadlines to delivery.
- Performing activities regarding unit and integration testing, deployments for each environment until pre-prod and ensure about the performance of each feature developed.
- Solving production bugs.
- Making synchronization meetings to make sure to accomplish the business and integration requirements.
- Using Scrum as an agile methodology.
- I made use of Google cloud to deliver the product using kubernetes as a deployment tool, TeamCity as a CI/CD tool and using docker to pack the application.
- I made use of EJB 3.0 to build microservices configured with websphere liberty as an application server.
- I made use of streams to do filtering, transformation and collect data in map data structure to iterate over easily.
- I was using multithreading to parallelize the calls to db and store data by chunks.
- Achievement, activity, etc
- Technologies: Java 11, JPA, Hibernate, Jax-rs, Kubernetes, Microservices, Docker, Teamcity, GCP, Airflow, Octopus, Oracle, and Elastic search.

Project: IPT-HEALTHCARE

Main responsibilities included:

- My main responsibilities were discussing system design software solutions and how features can be implemented using clean architecture also do code reviews, gather requirements from product and develop the application making sure to carry on the functionalities needed from develop towards preprod environment.
- Participating in migration of some legacy features.
- Solving production bugs.
- I made use of SpringFramework and SpringBoot to develop the application also using clean architecture from tom hombergs approach as a guideline.
- Using Shape up as an agile methodology.
- I was designing the approach to how the architecture should be taking place using ports and adapters.
- Technologies: Java 11, JPA, Hibernate, Docker, AWS, ElasticBeanStalk, Amazon api gateway, SNS, SQS, request-reply pattern, aws lambda in an event driven environment, having as a database mysql and aurora db and using flyway as a migration tool.

Project: LOANLOGICS

Main responsibilities included:

- My main responsibilities are discussing system design software solutions, gather requirements from product, make the documentation required to align the software development as a guideline and implement the different software components taking all the aspects about devops culture and performance perspective.
- Participating adding metrics in some microservices using meter registry with cloudwatch implementation.
- Solve race condition scenario given in authentication mechanism with third parties using kafka as a distributed broker to enqueue requests made by a microservice and using redis as a cache mechanism.
- I made use of webhooks in an event driven distributed microservice system to return the requests made by the client.
- I was involved in the design of an approach to have scalability of a microservice based on enqueue events of a sqs using lambdas functions and event bridge to schedule the scalability as a cron job every “x” minute.

- Using scrum as an agile methodology.
- I was designing microservices applications using clean architecture and ddd.
- I was participating in some devops process related to building cloud formation and Jenkins files and configuring Jenkins pipelines.
- Technologies: Java 15/17, JPA, Hibernate, AWS, ECS, ECR, Cloud formation, S3, MSK, EC2, Microservices, Spring Framework, Spring Boot, quarkus, micronaut, Amazon api gateway, SNS, SQS, request-reply pattern, transactional outbox pattern, aws lambda in an event driven environment, Kafka, Redis, Event Bridge, Docker, Localstack, having as a database PostgreSQL and DynamoDB db and using flyway as a db migration tool.

Globant Latam

2019/05 – 2021/05

Role: Senior software engineer

“Globant is a world leader in digital and cognitive transformation that reinvents business through Technology ”

Project: Time and attendance from Disney Parks

Main responsibilities included:

- Participating in some system architecture design solutions sessions.
- I was participating in the design about how the components were connected including pub/sub configured with GAE Serverless approach in order to make the system to scale as much as calls received by the pub/sub.
- I made use of parallel streams to process hundreds of data using the available cores of the container.
- I was using event store to recreate the latest state of the records stored in firestore db.
- Migrating from legacy systems to cloud platform, focusing on the processing of schedules API to wfm systems.
- Discuss business requirements with product team.
- Making all the transformations in data using event sourcing, command pattern, consume rest services and apply business rules to store data in nosql db.
- Design and build a microservice application using kubernetes and scale up containers measured in request per second.
- Design and build a microservice application using GCP leveraging serverless and pub/sub to scale up processing more than 500.000 records in 5min when per record the duration to process took around 3 seconds.
- Applying multithreading solutions at big scale.
- Using Scrum as an agile methodology.
- I made use of jwt to allow authentication using private/public key.
- Trained 5 new team members on company policy and workflow.
- Technologies: Java 11, GCP, AWS, Docker, Spring framework, Spring boot, Junit, Event Emitter & Streams, Kubernetes, Microservices, Event Driven Architecture and splunk.

Periferia IT Group

2017/06 – 2019/05

Role: Semi Senior consultant engineer

“Periferia IT Group provides software, consulting and outsourcing solutions tailored to companies in the financial and insurance sector. ”

Project: Periferia Business Information System

Main responsibilities included:

- Developing the tool that allows testing by selenium when recording test use cases and playback commands using threads and concurrent programming.
- Developing the execution of tests for use cases through web service Rest and Soap.
- Performing test loads in the service with statistics and response times of the same.
- Technologies: Java 1.8, SpringFramework, Hibernate, Maven, Oracle DB, Selenium, multithreading.

Project: ATH Portal Banking

Main responsibilities included:

- Carrying on 2 fronts with the purpose of allowing the aval bank users to enroll their products with facil pass products letting them to pay with facil pass cards when pass through road tolls.
- Developing personal banking in requirement of integration in the analysis, planning, execution, monitoring and control of new facil pass transaction to portal banking.
- Design, build and development of FacilPass core to store transactions enrollment that came from bank transaction flow.
- Participate in design sessions with product and architecture to build and deploy applications.
- Deployment of the application using WebLogic server 12C in a cluster with all the configuration needed of JNDI, datasources and load balancing to handle app transactions.
- Using Scrum as an agile methodology.
- Achievement, activity, etc
- Technologies: Java, Spring framework, Soap, Hibernate, Soap WebService, Struts framework, SqlServer database, Maven, Oracle DB, Weblogic Server, JPA, JTA.

Project: BBVA online account

Main responsibilities included:

- Participated in the sprint review meetings and explained the technical changes to the clients.
- Worked in an Agile Environment and participated in requirement gathering and analysis.
- Using Scrum as an agile methodology.
- Created and consumed RESTful web services using JAX-RS.
- Attended discussions and understand various components of the requirements and implemented the same.
- Discuss with Cobol team solutions to integrate some of the transactions required to develop the product.
- Utilized MongoDB as a NoSQL database that harvest data from a variety of sources.
- Achievement, activity, etc
- Technologies: Java 1.7, Angular 2+, MongoDB, Maven

Everis

2016/02 – 2017/03

Role: Consultant engineer

“everis is a multinational consulting firm offering business and strategic solutions, technology application development, and outsourcing services in various sectors”

Project: CODENSA Neol

Main responsibilities included:

- Perform Codensa service support.
- Contributing in the front-end of the application by modifying jsp in “Oracle Web Center Site” CMS using soap web services to Interchange information with the backend.
- performing all types of queries and modifications in the backend.
- Developing the application through contributions to the web portal codensa and emgesa.
- Build and develop a tool to generate reports using the CMS and the backend
- providing new functions to improve the service provided
- Gathering functional requirements from product team and write documentation about it.
- Support the application making maintenance.
- Using Scrum as an agile methodology.
- Achievement, activity, etc
- Technologies: java 1.7, sql, javascript, jquery, html and using spring framework, JPA, Hibernate, Oracle Web Center Sites “CMS”, Oracle DB.