

## **Curriculum Vitae**



### **PERSONAL INFORMATION**

NAME: JORGE ALEJANDRO AGUIRRE GUTIERREZ

IDENTIFICATION: C.C: 1.053.847.607 Manizales Caldas.

BIRTH: Salamina Caldas. December 20, 1995.

CIVIL STATUS: Single

NATIONALITY: Colombian

ADDRESS: Carrera 10E #57F 45 Manizales Caldas.

PHONE NUMBER: +57 3113395602

EMAIL: [alejoved@gmail.com](mailto:alejoved@gmail.com)  
[alejoved@hotmail.com](mailto:alejoved@hotmail.com)  
[alejoved@yahoo.com.co](mailto:alejoved@yahoo.com.co)

## **STUDIES**

**PRIMARY:** Instituto Nacional Salamina, 1ro, 2do, 3ro 4to 5to, Salamina Caldas 2006

**SECONDARY:** Institución Educativa Sara Ospina Grisales, 6to, 7mo, 8vo, 9no, 10mo, 11mo, Salamina Caldas 2012.

**UNIVERSITY STUDIES:** Caldas University.  
Computer and Systems Engineering.

**CERTIFICATIONS:** AWS CLOUD PRACTITIONER  
Amazon Web Services

AWS SOLUTIONS ARCHITECT ASSOCIATE  
Amazon Web Services

## PROJECTS AND WORK EXPERIENCE:

- Proposals for the use of new Open Source technologies for core banking. (Bancolombia. 2024)
- Development of cloud infrastructure for treasury projects. (Bancolombia. 2024)
- Refactor about Java Applications for to deploy docker container in EKS, Declaraciones de Cambio Project. (Bancolombia. 2024)
- Migration of libraries with a proprietary license to the Open Source ecosystem. (Bancolombia. 2023)
- Consulting on improvements to existing solutions in terms of development and cloud architecture in AWS. (Bancolombia. 2023).
- Use of Open Source software and AWS for technological replacement at the corporate level. The above for financial efficiency issues. (Bancolombia. 2023)
- Project migration using AWS SCT and AWS DMS for database, CloudFront, S3, Auto Scaling Groups, EKS, Lambda for the application layer. (Bancolombia. 2023)
- Java development using reactive programming and Web Flux for Open source office metrics deployed as a microservice in Amazon EKS. (Bancolombia. 2022)
- Infrastructure as code deployments for application load balancers, Auto Scaling Group and Amazon RDS Postgres for Rate Manager Project development in Java REST API. (Bancolombia. 2022)
- Containerization with Kubernetes for deployment of the Interactive Viewer project in Java REST API. (Bancolombia. 2022).
- Contribution to Open Source projects such as JupyterHub and JupyterLab, solving issues in Python. (Bancolombia. 2022)
- Development of Microservices in Java Spring Boot for the Banco de Bogotá Remittances project (Sophos 2021)
- Use of AWS Lambdas in Java to execute Crons for the Banco de Bogota Remittances project. (Sophos. 2020)
- Participation in the DevOps team for the standardization of tools for the

execution of automated deployments through CI/CD, configuration and execution of automated integration, acceptance, performance, and security tests for the API layer in the cloud. (Sophos. 2019).

- Architecture definitions and cloud configurations for migration from XM monolith to microservices in Java REST API. (Ingeneo. 2020)
- Migration of monolithic XM project to microservices in Java REST API and Oracle Database. (Ingeneo. 2020)
- Development of Email Validation APIs in Java REST API. Frontend developed in Angular v8 for project: Credit Card Application (Tuya, 2020).
- Backend development for Experian Data Credito Product. On Java REST API(Tuya, 2020).
- Architecture definitions for the provisioning of the API Management component in the Azure cloud and configuration of components such as key vault, Application Insights, app services environment, AKS containers,
- application gateways for connection to On Premise (Tata Consultancy Services) (Tuya, 2019).
- Architecture definitions for provisioning of App Services in the cloud and API Management for development of APIs and Microservices in Java REST API deployment through Azure DevOps (TataConsultancy Services) (Tuya, 2019)
- Architecture definitions for provisioning and configuration of SQL Server and Cosmos DB NON-SQL databases. (Tata Consultancy Services) (Tuya, 2019)
- Design of Swaggers and development of APIs in API Management Azure component. (Tata Consultancy Services) (Tuya, 2019)
- Development of services in JAVA, MYSQL database and Cosmos DB No SQL. Frontend developed in Angular v7 on App Services Azure. (Tata Consultancy Services) (Tuya, 2019)
- Standardization of tools for the execution of automated deployments through CI/CD, configuration and execution of automated integration, acceptance, performance, and security tests for cloud-native applications. (Bancolombia. 2019).
- Development of initiatives through BrainStorming and communication with the needs of the StakeHolders plus initiation of the establishment of the Product Backlog. (Bancolombia. 2019)

- Knowledge in configuring instances in Amazon Elastic Compute (EC2) AWS, creation of Linux instances, with AMIs, configuration of volumes, snapshots, security groups and elastic IPS for the instances. (Bancolombia, 2019)
- Knowledge in configuring database instances in RDS AWS, (MariaDB, MySQL, Oracle, PostgreSQL, Amazon Aurora), Backup scheduling, creation of parameter groups and subnet groups and security. (Bancolombia, 2019)
- Creation of Lambda functions in AWS in NodeJS, Java 8 and Python, use of the AWS SDK. (Bancolombia, 2019)
- Development of microservices in NodeJS and AWS in Web Service Distrito project with ACH provider (Minka). Consumption of Google microservices Cloud and IBM Data Power. Using AWS SDK, AWS Secret Manager and Express. (Bancolombia, 2019)
- Unit and load testing of microservices in JAVA, using Apache JMeter. (Bancolombia, 2019)
- Builds and Pipelines in Azure DevOps for publishing microservices in Kubernetes for development, certification, and production environments. (Bancolombia. 2019)
- Analysis of functional specifications, Swagger design, development, and implementation of APIs on the APICONNECT platform for Bancolombia. API Products: Accounts, Cards, Channels, Consignments, Customers, Security, Mortgage, Deposits, Products. (Bancolombia. 2018-2019)
- Microservices and APIs development in Java Spring Boot.(Bancolombia. 2019)
- APIs development in JAVA with Postgres database for deployment in AWS EKS (Bancolombia. 2019)
- Microservices testing with JUnit with execution in automated Azure DevOps pipeline (Bancolombia. 2018)
- Mock Backend development in JAVA to simulate API consumption using Cosmos DB (Bancolombia. 2018)

## **JOBS**

Cloud Software Engineer. Bancolombia. Remote Job. June 2021 - Currently

Cloud Developer. Sophos Solutions. Customer Banco de Bogota. Remote job. September 2020 – June 2021

Full Stack Developer. Tata Consultancy Services Customer: Tuya (Exito). Leader Andres Felipe Zuluaga. Medellín. Contact: 3002208805. August 2019 – August 2020.

API Developer. Bancolombia. Leader: Luis Gabriel Correa. Medellín. Contact: 3137480315. July 2018 – August 2019.

## **NAME AND SIGNATURE**

Jorge Alejandro Aguirre Gutiérrez.  
C.C: 1.053.847.607

July 2nd, 2024.