

# Ricardo Alejandro Segura Cuanalo

## Backend Software Engineer | Cloud Systems | Secure APIs | AWS

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### Summary

**Skilled Software Engineer** with experience in **Java, Python, and JavaScript**. I've built full-stack applications, automated workflows, and deployed cloud-native solutions using **Docker, Kubernetes and AWS**. Quick to adapt across tech stacks, I thrive in support and problem-solving roles—delivering clean, maintainable code and effective solutions under pressure.

### Professional experience

#### Software engineer

June 2024–Present

Tata Consultancy Services

- Developed data pipelines, implemented **ETL** logic with **Spring Boot** and **Snowflake DB**.
- Provided **L2/L3 support** and maintained **Spring Boot microservices** running on **AWS ECS** and **Tomcat**.
- Investigated production issues via **log analysis** and **SQL queries** in **Snowflake DB** environments.

#### Backend Engineer / Full Stack Developer

March 2022–June 2024

Shopnet

- Resolved incidents in backend **Flask/Django/Spring Boot** APIs with **MongoDB** and **DynamoDB**.
- Managed task queues and background jobs in production (**Redis** + **python-rq** + **apache kafka**).
- Created scripts for daily maintenance and **data processing**, alerting and reporting tasks.
- Developed terraform/bash scripts to deploy containerized applications with **Docker** and **Kubernetes**

#### Project Lead – Backend Systems

August 2020–March 2022

Octopy

- Coordinated support for hardware-connected APIs (**NestJS** + **Spring Boot**), handled alerts and failures.
- Performed debugging and low-level error tracing in APIs with real-time sensor data.
- Used **Bash** and **Git** for deployment automation and version rollback.

#### Full Stack Developer

August 2018–August 2020

Tecnopubli MX

- Built web applications with **Next.js**, leveraging server-side rendering, API integration, and advanced client-side logic with efficient error handling.

#### Computer Science Engineer

August 2023

Benemérita Universidad Autónoma de Puebla

### Technical skills

- **Languages:** Java, Python, TypeScript, Go
- **Frameworks:** Spring Boot, Django, Flask, NestJS, ReactJS, NextJS, VueJS
- **Databases:** MySQL, Oracle, Snowflake, MongoDB, DynamoDB, PostgreSQL
- **Tools:** Git, SQLAlchemy, Bash, Spring JPA, TypeORM, SonarQube, Linux terminal, Kafka, Docker, Kubernetes
- **Cloud:** AWS (ECS, EC2, Lambda, RDS, S3, VPC, API gateway, Route 53)