

Aarón Méndez Castro
Junior Software Developer | Java, React & Cloud-Oriented Systems
Costa Rica
+506 7171 0583 | aaronmc080301@hotmail.com | LinkedIn | GitHub

Professional Summary

Junior Software Developer with experience building full-stack applications using Java (Spring Boot), React, and relational databases. Developed RESTful APIs, containerized backend services with Docker, and deployed cloud-based applications in AWS environments. Strong foundation in OOP, API design, data processing workflows, and structured debugging. Interested in AI-driven systems and document/data processing pipelines.

Experience

Full-Stack / Backend Developer (Freelance)

Jan 2025 – Present

- Developed backend services using Java and Spring Boot following layered architecture principles.
- Designed RESTful APIs to handle structured and semi-structured data workflows.
- Built frontend components using React and TypeScript, integrating them with backend APIs.
- Designed and optimized relational database queries (SQL Server, Oracle).
- Implemented authentication and authorization using JWT and RBAC.
- Containerized applications using Docker for consistent development and deployment.
- Deployed applications to AWS EC2 instances provisioned with Terraform.
- Wrote unit tests for service-layer components and validated API functionality.
- Diagnosed and resolved performance and data inconsistencies through structured debugging.

Assistant – Data Automation & Systems Support

Aug 2025 – Present

University of Costa Rica

- Automated reporting workflows using Python, reducing manual effort by 90%.
- Built structured data validation processes to improve reporting accuracy.
- Processed and transformed raw datasets into structured outputs for decision-making.

Selected Projects

API Sandbox – Dockerized Backend Platform

- Developed a configurable REST API simulation system using Spring Boot.
- Applied layered architecture (controller, service, repository).
- Containerized backend services using Docker.
- Implemented request logging and structured response handling for testing workflows.

AWS Infrastructure Deployment (Terraform + EC2)

- Provisioned cloud infrastructure using Terraform (Infrastructure as Code).
- Configured Linux-based EC2 instances and deployed web applications.
- Managed remote environments via SSH and CLI.

Technical Skills

Programming: Java, TypeScript, JavaScript, Python

Frameworks: Spring Boot, React

Databases: MySQL (basic exposure), SQL Server, Oracle

Cloud & DevOps: AWS EC2, Docker, Terraform, CI/CD exposure

Concepts: REST APIs, OOP, Layered Architecture, Data Processing Workflows

Testing: Unit testing concepts, JUnit (basic exposure)

Tools: Git (branching, pull requests)

Operating Systems: Linux / UNIX (CLI), Windows

Education

Bachelor's Degree in Information Systems Engineering (Final Year)

University of Costa Rica

Expected graduation: Feb 2027

Industrial Electronics Technician

CTP Calle Zamora, Costa Rica

2018 – 2020

Languages

English – B2+

Spanish – Native