

Javier Enrique Meléndez Droz

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PROFESSIONAL SUMMARY:

Software Engineer with 4 years of experience developing, maintaining, and supporting cloud-native applications and distributed systems. Experienced in Java, Python, AWS, Kubernetes, Terraform, REST APIs, and SQL databases. AWS Certified Cloud Practitioner with expertise in backend development, cloud architecture, Infrastructure as Code (IaC), and production support within Agile environments.

WORK EXPERIENCE:

Vantor (formerly Wovenware and Maxar)
Software Engineer | May 2022 – June 2026

- Transformed an internal utility service into a mission-critical production component by integrating it into the primary production workflow. Enabled secure cross-domain file transfers between isolated encrypted and commercial environments, supporting critical business operations and improving workflow efficiency.
- Reduced external API consumption from approximately 10,000 requests per day to 180 requests per day through service redesign and optimization, significantly improving system efficiency and reducing operational overhead.
- Developed and maintained cloud-native applications, backend services, and REST APIs using Java and Python.
- Designed and supported AWS-based distributed systems responsible for processing satellite imagery metadata utilizing Lambda, SQS, SNS, Step Functions, DynamoDB, API Gateway, SSM Parameter Store, and CloudWatch.
- Managed cloud infrastructure using Terraform and Infrastructure as Code (IaC) principles while supporting containerized workloads running on Kubernetes.
- Developed scalable data integrations using PostgreSQL and DynamoDB.
- Participated in a 24/7 on-call rotation, providing incident response, troubleshooting, root cause analysis, code reviews, and production support.
- Leveraged AI-assisted development tools for code analysis, unit testing, integration testing, and software quality improvements.

EDUCATION:

University of Puerto Rico, Mayagüez Campus (UPRM)
Bachelor of Science in Computer Engineering | May 2022

CERTIFICATIONS:

AWS Certified Cloud Practitioner

TECHNICAL SKILLS:

Languages: Spanish (Native), English (Fluent)

Programming Languages: Java, Python, SQL

Cloud & Infrastructure: AWS (Lambda, SQS, SNS, Step Functions, DynamoDB, API Gateway, CloudWatch, SSM), Terraform, Kubernetes

Tools & Practices: GitHub, Jenkins, Jira, REST APIs, CI/CD, Agile, Distributed Systems, Cloud Architecture, Infrastructure as Code (IaC)