

XAVIER MEDINA

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SUMMARY

- 2+ years of experience in full-stack development designing scalable applications and microservices.
- Proficient in cloud migration and modernization on AWS and Azure.
- Strong DevOps skills in Docker and CI/CD (GitHub Actions), improving deployment and delivery times
- Experience in UI development and web accessibility compliance.
- Developed AI solutions using OpenAI, integrating vector databases and embeddings.
- Currently pursuing Azure AZ-204 Developer certification, focusing on Infrastructure and Generative AI.

PROFESSIONAL EXPERIENCE

Intermediate Software Developer (Full-Stack)

January 2024 – Present

Digital11y Accessible Inc – Toronto, Ontario

- Company providing web accessibility assessments, consultations, and training to help organizations meet legislative compliance across digital channels.
- Designed and developed AI-driven solutions using OpenAI to enhance web accessibility, ensuring compliance with legislative standards while streamlining accessibility management and improving overall user experience.
- Reduced deployment times by 90% (from 22 to 2 minutes) by containerizing applications with Docker and optimizing CI/CD pipelines using GitHub Actions. Set up scalable staging and production environments, increasing the team's deployment efficiency.
- Lowered cloud costs by 15% and improved scalability by migrating and modernizing the application infrastructure into Azure, utilizing auto-scaling services to enhance performance during peak traffic.

Back-End Developer

March 2021 – September 2022

Ilis Solutions – Santiago, Chile

- Developed multiplatform (web and desktop) application solutions using Java Spring streamlining project delivery.
- Modernized and migrated the billing and data insights modules from legacy systems to asynchronous RESTful microservices, improving processing speed by 20%.
- Implemented containerization to ensure smooth delivery and operation of applications, using ETL software to automate data transformation and manage database backups.
- Developed frontend for the data insights module improving user engagement with interactive charts by 15%.

EDUCATION

Bachelor of Engineering, Major in Mining Engineering

2013 – 2019

Escuela Superior Politecnica del Litoral – Guayaquil, Ecuador

- Published research paper on [discrete event simulation](#), presented at the LACCEI conference in 2019.

CERTIFICATIONS

- AWS Cloud Quest: Cloud Practitioner – Amazon Web Services Training and Certification (2023)
- Meta Database Engineer Professional Certificate – Coursera (2023)
- Meta Back-End Development Professional Certificate – Coursera (2023)
- **Pursuing:** Azure AZ-204 Developer Certification

ADDITIONAL INFORMATION

- **Programming Languages:** Java, Python, JavaScript, TypeScript, Shell, Bash Scripting
- **Frameworks:** Spring Boot, WebFlux, Django, Flask, NestJS, React, Next.js
- **DevOps & CI/CD:** Docker, GitHub Actions, Kubernetes
- **Cloud Platforms:** AWS, Azure (Cloud Migration, Modernization)
- **Databases:** Azure SQL Database, AWS RDS, Google Firebase, Azure Cosmos DB, PostgreSQL, MySQL
- **Generative AI:** OpenAI, Vector Databases, Embeddings
- **Learning:** Cloud infrastructure and Generative AI solutions

VOLUNTEERING

Volunteer – NotWorking to Networking (N2N)

January 2024 – Present

Toronto, Ontario

- Non-profit hosting weekly industry-specific meetups for Latinos in Canada, focused on professional networking growth and community support.