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Joyce Rodriguez

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Technologies and Languages

- Cloud Platforms: AWS (IAM, EC2, S3, Route53, CloudFront, Lambda)
- Infrastructure as Code: Terraform, Ansible, CloudFormation, GitHub Actions
- Languages: Python, Java, Go, Bash
- DevOps Tools: Jenkins, Tekton, Docker, Kubernetes, OpenShift

Projects

AWS Full-Stack Cloud Deployment:

- Built a dynamic, full-stack resume website hosted on AWS using S3 for static site hosting and CloudFront for HTTPS.
- Integrated a custom domain using Route 53 and implemented a visitor count using DynamoDB, API Gateway, and Lambda (Python and boto3).
- Automated infrastructure deployment through AWS SAM, leveraging Infrastructure as Code (IaC) practices.
- Set up continuous integration and deployment (CI/CD) pipelines via GitHub Actions for both updates.

IBM Devops, Microservices Application:

- Built applications composed of microservices; deployed using containers (Docker, Kubernetes, OpenShift) and serverless technologies.
- Developed applications in Python, using constructs and logic (functions, REST APIs, libraries).
- Employed tools for automation (Puppet, GitHub Actions, Tekton and Travis).

Work Experience

Technical Writer   **Freelance**   **February 2022 – October 2024**
Contract   Seoul, South Korea

- Designed training guides and documentation for enterprise systems and software products.
- Translated complex technical concepts into accessible business solutions for diverse audiences.
- Researched and documented latest industry trends to enhance accuracy and usability of technical documentation.

Cloud Engineer   **Korea Electronic Certificate Authority**   **July 2021 – January 2022**
Global Business Unit   Seoul, South Korea

- Configured AWS infrastructure including EC2, S3, and VPC, optimizing resources and improving system performance.
- Migrated legacy systems to cloud-based solutions, achieving a 25% reduction in operational costs.
- Automated deployment processes using Ansible, Terraform, and Jenkins, reducing 40% manual intervention time.

Systems Engineer Intern   **Korea Electronic Certificate Authority**   **March 2021 – June 2021**
Data Center   Suwon, South Korea

- Maintained servers with digital certificates for banks and government agencies, ensuring security and compliance.
- Configured networking setups including HTTP, websockets, and TCP/IP protocols.

Education and Certifications

- **IBM DevOps Specialization**   **Feb 2024**
- **B.Sc. Computer Science,** Polytechnic University of Puerto Rico   **Jul 2020**