HIAGO DOS SANTOS RABELO

DevOps Engineer | AWS Certified | Azure Certified

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CERTIFICATIONS

AWS Cloud Practitioner
AWS Solutions Architect Associate
AWS Developer Associate
AZ-900: Azure Fundamentals
AZ-104: Azure Administrator Associate

PROFESSIONAL EXPERIENCE

2024 - Present | Objective

DevOps Engineer

DevSecOps engineer working on secure, scalable, and automated cloud infrastructure for internal projects and international clients.
Implemented CI/CD pipelines, Kubernetes-based deployments, and IaC practices using Terraform.
Collaborated directly with English-speaking stakeholders to design, maintain, and improve DevOps processes.
Active involvement in Agile practices through regular team syncs, continuous delivery cycles, and workflow management using Kanban boards.

Cloud Platforms: Azure (ACR, AKS, Azure Files); AWS (Cognito, CloudWatch, Lambda, DynamoDB, CloudFront, API Gateway, CloudTrail, Kinesis Data Firehose, SES, IAM, S3, WAF, EKS).
Tools and Technologies: Bash, Linux, Docker, Docker Compose, NGINX, Kubernetes (Minikube, Kind, AKS, EKS), Helm, ArgoCD, Jenkins, TeamCity, GitHub, GitLab CI, Bitbucket, Terraform, HashiCorp Vault, Nexus, External Secrets, JFrog, Maven, Kotlin, Dependency-check, RabbitMQ, SonarQube, XWiki, Confluence, Kanban, Jira.
Observability: Grafana, Prometheus, Loki, Tempo, Mimir.

2021 - 2024 | Radio Memory

Cloud Backend Engineer

Developed APIs using Flask and FastAPI (Python) on AWS infrastructure.
Containerized services using Docker and Docker Compose.
Provisioned infrastructure with Terraform, following IaC practises.
Wrote unit, integration, and end-to-end tests to ensure high test coverage.
Building CI/CD pipelines in Jenkins for automated deployment of applications on EC2, Lambda, and ECS.
Participated in the full machine learning lifecycle, including data mining, model training, and deployment.
Designed neural networks for computer vision tasks such as object detection, segmentation, and classification.
Set up system observability using AWS CloudWatch and X-Ray, including logs, metrics, and traces.
Developed automation and system management scripts using Bash and Python.

Cloud Platforms: AWS (API Gateway, EC2, ECS, EBS, EFS, S3, Lambda, SQS, SNS, CloudWatch, XRay, Route53, VPC, IAM, Secrets Manager, Elastic Load Balancer).
Tools and Technologies: Python, Bash, Jenkins, Terraform (IaC), Flask, FastAPI, Pytorch, Numpy, Keras, Pytest, Docker, Docker-Compose, Git, ClearML, Trello, Streamlit.

EDUCATION

2016 - 2023 | Bachelor's Degree in Mechatronics Engineering

University of Brasília (UnB)

Final Project: "Reinforcement Learning applied to VSSS category of Robotic Soccer". (Designed an autonomous agent able of scoring goals through machine learning, Python and Pytorch)

2014 - 2017 | Technician's Degree in Electrotechnics

Technical School of Brasília (ETB)

LANGUAGES

French: Beginner
Spanish: Intermediate
English: Advanced
Portuguese: Native

VOLUNTEER WORK

2018 - 2022 | UnBall Team - Robot Soccer
Competition Team (Autonomous Robots)

Developed and implemented Python scripts, reinforcement learning algorithms, and neural networks.
Managed financial operations and prepared monthly reports for project contributors.
Applied Agile methodology and Scrum framework for project management.

2017 - 2019 | Teaching Assistant at Universit of Brasilia (UnB)

2019 | Introduction to Linear Algebra

2018 | Calculus 3 (Multivariable Differential and Integral Calculus)

2018 | Calculus 2 (Series and Differential Equations)

2017 | Algorithms and Computer Programming

PAPER PUBLICATIONS

2023 | Minimal underactuated synchronization with applications to secure communication
Journal: Communications in Nonlinear Science and Numerical Simulation (Qualis A1)

PERSONAL PROJECTS

Database for Social Network

Utilized Br Model for developing Entity-Relationship and Relational Model diagrams. Applied relational algebra for query applications. Table normalization and use of PostgreSQL as engine.

SQL Data Analysis

Advanced SQL techniques for obtaining Insights in a public relational database.

Personal Website hosted on AWS

Developed my personal website using Angular, HTML5, CSS3, SASS, with automated infrastructure provisioning and deployment on AWS via Terraform.
The stack includes S3 for static hosting, CloudFront for CDN, Route53 for DNS management, and ACM for SSL.
CI/CD is handled with GitHub Actions, including environment-based deployment and Terraform planning.