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.

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2025 | Freelance

DevOps Project

Implemented a CI/CD pipeline using GitHub Actions to deploy a Dockerized NGINX-based web application to AWS ECS using Terraform.
Set up ECS services, task definitions, and load balancer integration for scalable deployment.
Wrote reusable and modular Terraform code to provision infrastructure components.
Configured NGINX to serve static content and reverse proxy application services inside Docker containers.

Tecnologies: Docker, Nginx, GitHub Actions, AWS ECS, Terraform, CI/CD, Fargate.

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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.
Built CI/CD pipelines for automated deployment of apps and models on AWS using Jenkins.
Wrote unit, integration, and end-to-end tests to ensure high test coverage.
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, 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.

LANGUAGES

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

EDUCATION

2016 - 2023 | Bachelor's Degree in Mechatronic 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)

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2014 - 2017 | Technician's Degree in Electrotechnics

Technical School of Brasília (ETB)

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.

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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.

Serverless API AWS

Developed a serverless API with AWS Lambda, FastAPI, and Terraform, following IaC principles.
Built CI/CD pipelines with GitHub Actions, automated tests, and protected branches.
Implemented JWT authentication, Swagger documentation, Pytest test suite, and Docker multi-stage builds.

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.