

BRAULIO ARREDONDO

+34 692-317-295

braulio.arredond@gmail.com ◊ [GitHub](#) ◊ [LinkedIn](#) ◊ braulioarredondo.com

PROFESSIONAL SUMMARY

Senior Cloud & DevOps Engineer with 7+ years of experience delivering scalable AWS solutions across multinational environments. Proven track record in CI/CD automation, infrastructure as code, streaming systems and cloud operations for Fortune 500 companies including Allianz, Schneider Electric and Southwest Airlines. Experienced in building AI-powered solutions using AWS Bedrock and Deep Learning. Currently pursuing a Doctorate in Computer Systems, with a published research background in Machine Learning and AI.

SKILLS

Cloud	AWS (EC2, EKS, S3, Lambda, Kinesis, Bedrock, CloudFront, IAM, SSM), GCP
IaC & DevOps	Terraform, Ansible, Docker, Kubernetes, GitLab CI/CD, GitHub Actions, Jenkins
Languages	Python, SQL
Monitoring	Dynatrace, Grafana, LogicMonitor
Data	Snowflake, Kinesis, CloudFormation
AI / ML	AWS Bedrock, PyTorch, Keras, Scikit-learn, CNNs, RAG
Other	Pydantic, Selenium, ServiceNow, Veeam, Linux

EXPERIENCE

Senior Software Developer

Allianz Technology

Sep 2025 – Present

Remote

Senior Software Developer for the world leader in trade credit insurance, focused on AWS streaming infrastructure, cloud automation and AI-powered solutions.

- Reduced snapshot processing failures by ~30% by implementing robust user data validation across AWS Lambda streaming functions.
- Improved Disaster Recovery success rate by 50% by actively participating in DR exercises and refining recovery procedures for full solution deployments.
- Cut Snowflake permission processing time by 20% through CI/CD pipeline automation, managing access for 100+ tables and views.
- Reduced code rehydration and vulnerability remediation time by 50% by engineering targeted deployment solutions that update code exclusively, bypassing full infrastructure redeployments.
- Decreased user tickets and support requests by ~25% by enhancing AWS snapshot metadata documentation, enabling teams to self-resolve common issues.
- Built an LLM-powered chatbot for a core consumer portal using AWS Bedrock, Amazon Titan and RAG, reducing manual query handling across multiple teams.
- Designed automated daily status reports for critical data pipelines, enabling proactive incident detection and reducing mean time to resolution.
- Created dedicated Snowflake data-sharing tables for downstream consumers, streamlining access across teams.
- Developed and maintained Kinesis stream processing code for data validation, transformation and storage.
- Provided Level 2 and Level 3 incident support for 80+ streaming products, resolving API errors and data delivery failures.

Skills: CI/CD · Terraform · Dynatrace · Kinesis · IaC · AWS · Python · Bedrock · GitLab · Snowflake · Pydantic · RAG

Lead Cloud Operations Engineer @ Schneider Electric
K-LAGAN

Jun 2024 – Sep 2025
Remote

Lead Cloud Operations Engineer for a multinational corporation specialized in digital automation and energy management with presence in more than 100 countries.

- Saved \$10K+ USD/month by redesigning snapshot lifecycle policies across production and lower environments.
- Successfully migrated 100+ cloud-based Linux servers with zero downtime during major OS version upgrades.
- Administered 500+ AWS accounts globally, managing EC2, EKS, S3, ELB, CloudFront, IAM and related services.
- Automated resource provisioning for development environments using Ansible, Terraform and GitHub Actions, reducing manual deployment effort.
- Provided Level 2 and Level 3 support for 50+ global development and service teams, maintaining high availability SLAs for thousands of critical servers and applications.
- Maintained continuous monitoring and reliability operations using LogicMonitor, Dynatrace and Veeam across a multinational cloud infrastructure.

Skills: CI/CD · Terraform · Ansible · LogicMonitor · Monitoring · IaC · AWS · Python · Veeam · Kubernetes · Linux · GitHub · Dynatrace

Cloud Operations Engineer @ Southwest Airlines
Softtek

Feb 2021 – Jun 2024
Remote

AWS Cloud Services Administrator, Site Reliability Engineer and Python Developer for 500+ cloud accounts of the world's largest low-cost carrier.

- Saved 50+ hours annually by building GitLab CI/CD pipelines to automate querying and delivery of 20+ AWS and Cloudability resource mapping reports.
- Saved 20+ hours annually by developing an AWS application for intelligent Jenkins volume management and automated cleanup.
- Saved 20+ hours annually by automating Atlassian user license auditing and reuse via AWS SSM documents and SQL-based GitLab pipelines.
- Built a Selenium-based automated smoke test suite covering 36 end-user authentication endpoints, improving release confidence.
- Implemented AWS AHA module for real-time AWS health event delivery to ServiceNow dashboards, reducing incident response time.
- Developed Grafana monitoring dashboards for AWS Transit Gateway and Direct Connect traffic, improving network visibility.
- Built a Python onboarding library for Nexus artifact pre-validation, integrated into GitLab CI/CD pipelines used by 100+ Distributed Deployment Engine projects.

Skills: CI/CD · Terraform · CloudFormation · API Development · Monitoring · IaC · AWS · Python · Docker · Kubernetes · Grafana · Jenkins · GitLab

Funded researcher for a cancer histopathological image classification project using Deep Learning and Machine Learning, performed on Google Cloud and AWS.

- Achieved 95%+ classification accuracy on histopathological tissue images (breast, colon and lung cancer) using a custom Keras CNN model.
- Achieved 90%+ accuracy combining 5 computer vision techniques with 10 ML algorithms for comparative tissue classification.
- Automated 10 image cropping and classification workflows using Google Cloud playbooks and jobs.
- Research resulted in a published Master's thesis and a peer-reviewed paper (*see Publications*).

Skills: CNNs · Machine Learning · GCP · Deep Learning · Python · PyTorch · Keras · Scikit-learn

EDUCATION

Doctorate of Computer Systems, Universidad del Sur *Present – expected Aug 2027*
Research and development in information and intelligent systems by designing data-driven solutions.

Micro Master of Software Development, University of British Columbia (UBCx) Grade 85.8/100
Systematic approach and agile methods to build software programs that solve real-world problems.

Master of Science, Computer Science, Tecnologico de Monterrey Grade 9.6/10
Member of the Bioinformatics Research Group. CONACyT Full-ride Scholarship Award.

Bachelor of Information Technology, Universidad de Guanajuato Grade 10/10
Outstanding Student Award.

LICENSES & CERTIFICATIONS

AWS Certified Developer Associate, AWS, Badge ID: [378dfe4dc1e1](#)

AWS Certified Cloud Practitioner, AWS, Badge ID: [bef76c68e394](#)

AWS Knowledge: Networking Core, AWS, Badge ID: [448b199a57de](#)

AZ-900: Microsoft Azure Fundamentals, Microsoft, Certiport ID: [wNJYM-2FqG](#)

Containers, K8s and Istio on IBM Cloud, IBM, Badge ID: [wlkiAn4i](#)

DevOps with Docker, University of Helsinki, Certificate ID: [56c728eb326ae](#)

Google Grow: Cloud Computing, Google, Certificate ID: [DS8 4NF NY8](#)

PUBLICATIONS

Histopathological Image Classification using Deep Learning (Nov, 2021) ([repositorio.tec.mx](#))
Study of digital pathology classification using and combining several techniques of machine learning and deep learning.

A Further Search for Galactic Stars with Double Radio Lobes (Jun, 2017) ([arxiv.org](#))
Search for double-lobed radio stars across 20,000+ white dwarves from the Sloan Digital Sky Survey and 2.5 million stars from the LAMOST catalog.