

Juam Sousa

Senior Sr DevOps/Cloud Engineer | AWS Solutions Architect Professional & CKA - Certified Kubernetes Administrator

SUMMARY

- 6+ years in DevOps/Cloud engineering specializing in AWS, Kubernetes, Terraform, and Serverless. - Led cloud modernization and migration projects, including AWS Lambda to ECS and multi-account AWS Organization restructuring. - Expertise in IaC (Terraform, Pulumi), container orchestration (EKS, ECS, Kubernetes), and CI/CD pipelines (GitHub Actions, Bitbucket). - Implemented observability platforms using Grafana, Prometheus, and Tempo; optimized AWS costs by 30%. - Experience across fintech, e-commerce, telecom, and insurance sectors with strong focus on security, compliance, and automation.

TECHNICAL SKILLS

Main Technical Skills	AWS (6 yr.), Kubernetes (6 yr.), Terraform (6 yr.), Serverless (6 yr.), DevOps (6 yr.)
Programming Languages	Python
Data Analysis and Visualization Technologies	AWS Athena
Databases & Management Systems / ORM	AWS DynamoDB, MariaDB, MongoDB, MySQL, OpenSearch, Oracle Database, PostgreSQL, Redis
Cloud Platforms, Services & Computing	AWS (6 yr.), Serverless (6 yr.)
Amazon Web Services	Amazon EMR, Amazon RDS, AWS API Gateway, AWS Athena, AWS Cloudformation, AWS CloudFront, AWS CloudWatch, AWS DynamoDB, AWS EC2, AWS ECS (Amazon Elastic Container Service), AWS EventBridge (6 yr.), AWS Lambda, AWS MQ, AWS Route 53, AWS S3
Deployment, CI/CD & Administration	Ansible, ArgoCD, DevOps (6 yr.), GitLab CI, Jenkins, Pulumi
SDK / API and Integrations	AWS API Gateway, OpenTelemetry
Message/Queue/Task Brokers	AWS MQ
Version Control	BitBucket, Github Actions, Git submodules

Virtualization, Containers and Orchestration	Docker, Docker Swarm, Kubernetes (6 yr.), KVM (for Kernel-based Virtual Machine), LibVirt, LXC, Proxmox, Qemu, Rancher, Terraform (6 yr.), Terragrunt, XEN
Logging and Monitoring	Grafana, Prometheus, Zabbix
Scripting and Command Line Interfaces	Shell Scripts
QA, Test Automation, Security	Xray
Other Technical Skills	Cortex, for Kernel-based Virtual Machine, Gitlab Runner, Juju, MAAS, OpenStack, XenServer

WORK EXPERIENCE

Sr DevOps/Cloud/SRE Engineer - JS Cloud (Cloud Infrastructure and AWS Strategy Improvement)

Duration: November 2024 - Present

Summary: Led initiatives to improve cloud infrastructure, security, and AWS strategy, focusing on observability, modernization, migration, security compliance, and cost optimization.

Responsibilities:

- Built an observability platform using Grafana, Tempo, Prometheus, Alloy, and Blackbox Exporter.
- Migrated critical services from AWS Lambda to Amazon ECS to enhance scalability and performance.
- Restructured AWS Organization for secure multi-account setup and implemented Transit Gateway for VPC connectivity.
- Enhanced security posture to support ISO certification including IAM, SSO, network security, and WAF policies.
- Identified and executed cost-saving strategies to reduce cloud spend.

Technologies: AWS Lambda, Amazon ECS, AWS Organization, Transit Gateway, IAM, SSO, WAF, Grafana, Tempo, Prometheus, Alloy, Blackbox Exporter

Senior DevOps/Cloud Engineer - Global Tarken (Cloud Infrastructure and AWS Strategy Improvement)

Duration: November 2024 - December 2025

Summary: Led key initiatives to improve cloud infrastructure, security, and AWS strategy, including observability platform creation, service migration, AWS organization restructuring, security enhancements, and cost optimization.

Responsibilities:

- Built observability platform with Grafana, Tempo, Prometheus, Alloy, and Blackbox Exporter.
- Migrated services from AWS Lambda to Amazon ECS.
- Restructured AWS Organization and implemented Transit Gateway.



- Improved security for ISO certification including IAM, SSO, network security, and WAF policies.
- Executed cost-saving strategies to optimize cloud spend.

Technologies: AWS Lambda, Amazon ECS, AWS Organization, Transit Gateway, IAM, SSO, WAF, Grafana, Tempo, Prometheus, Alloy, Blackbox Exporter

DevOps Engineer V - DNX Brasil (Pagol Fintech and Various Client Projects)

Duration: November 2022 - November 2024

Summary: Worked on Pagol fintech and multiple client projects involving AWS cost optimization, Pix infrastructure compliance, serverless and container architecture deployment, pipeline development, and incident management.

Responsibilities:

- Optimized AWS costs achieving 30% billing reduction.
- Participated in Pix infrastructure and compliance implementation.
- Deployed and optimized serverless and container architectures (ECS/EKS).
- Developed pipelines using Bitbucket, Github Actions, and Terraform modules.
- Managed incidents and generated post-mortem reports.

Technologies: AWS, ECS, EKS, Serverless, Bitbucket Pipelines, Github Actions, Terraform

Cloud Engineer - DNX Solutions (Nuix Data Centers Migration and Infrastructure Modernization)

Duration: July 2024 - October 2024

Summary: Executed migration of two Nuix Data Centers from Sydney to AWS, modernized legacy infrastructure to managed AWS RDS, and improved CI/CD processes with Jenkins runners on AWS ECS Fargate.

Responsibilities:

- Migrated Nuix Data Centers to AWS ensuring high availability and scalability.
- Migrated legacy infrastructure to AWS RDS managed solutions.
- Modernized CI/CD pipelines by implementing Jenkins runners on AWS ECS Fargate.
- Developed Terraform/Terragrunt modules to optimize infrastructure as code.

Technologies: AWS, AWS RDS, Jenkins, AWS ECS Fargate, Terraform, Terragrunt

DevOps Engineer - Sea Telecom (Virtualization and Container Infrastructure Migration and Management)

Duration: February 2021 - November 2022

Summary: Migrated virtualization infrastructure from Xen/Proxmox to OpenStack, restructured container environment from Docker Swarm to Kubernetes, managed network and container infrastructure, implemented monitoring ecosystem, and developed infrastructure automation.

Responsibilities:

- Migrated virtualization infrastructure to OpenStack.
- Restructured container environment to Kubernetes.



- Managed network infrastructure with Maas and JuJu, and container/virtualization with LXC, Libvirt, KVM, QEMU.
- Implemented monitoring ecosystem using Prometheus, Grafana, Loki, Cortex, and Zabbix.
- Managed databases including PostgreSQL, MariaDB, MongoDB, and Oracle.
- Developed automation for system provisioning using Terraform, Ansible, Shell Script, and Python.

Technologies: OpenStack, Kubernetes, Docker Swarm, Maas, JuJu, LXC, Libvirt, KVM, QEMU, Prometheus, Grafana, Loki, Cortex, Zabbix, PostgreSQL, MariaDB, MongoDB, Oracle, Terraform, Ansible, Shell Script, Python

Infrastructure Analyst - Eximio Solutions (Cloud Services Implementation and Developer Support)

Duration: January 2020 - January 2021

Summary: Supported developers in solution architectures and cloud adaptations, and implemented and deployed cloud services.

Responsibilities:

- Assisted developers with solution architecture and cloud adaptations.
- Implemented and deployed cloud services.

Tech Support - EEEF Cândida de Santos de Sousa (Technical Support and Maintenance)

Duration: August 2019 - November 2019

Summary: Provided technical support including computer maintenance, network configuration, printer management, and file access management.

Responsibilities:

- Performed computer maintenance and network configuration.
- Managed printers and file access.

EDUCATION

• Systems Analysis and Development

University of the State of Pará (UEPA), Castanhal Campus
August 2019 - August 2022

• Integrated IT Technician

Federal Institute of Education, Science and Technology of Pará (IFPA), Belém Campus
January 2016 - May 2019

CERTIFICATION

- **AWS Solutions Architect Professional, Associate and Practitioner**
- **CKA: Certified Kubernetes Administrator**
- **AWS Knowledge: Architecting, Serverless and EKS**
- **AWS Partner: Cloud Economics, Technical Accredited and Sales Accreditation**
- **Cloud Fundamentals**
- **Containers Fundamentals**



- **SIP na Prática**

