

ALESSON VIANA

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Authorized to work in Canada (Work Permit) • Open to remote contract and freelance engagements globally

SUMMARY

Cloud & DevOps specialist with sysadmin DNA and 13+ years in IT, currently based in Toronto (Canada). AWS Certified practitioner with a track record leading cloud migrations, Infrastructure as Code adoption, and CI/CD pipelines across AWS and OCI for companies in Brazil, the US, and Canada. Strong foundation in networking, Linux, and Windows servers, combined with modern DevOps practices (Terraform, Ansible, Kubernetes, observability) — comfortable owning projects from on-premises legacy to cloud-native. Also actively exploring AI-assisted engineering workflows (OpenAI, GitHub Copilot, Claude). Open to full-time roles in Canada and remote contract/freelance engagements worldwide.

SKILLS

- Cloud: AWS (EC2, RDS, EKS, S3, VPC, FSx, MSK, Elastic Beanstalk, CloudWatch), Oracle Cloud Infrastructure (OCI), IBM Cloud, Azure, GCP
- Infrastructure as Code (IaC): Terraform, Terragrunt, Ansible, Ansible AWX, CloudFormation
- Containers & Orchestration: Docker, Docker Swarm, Kubernetes, Amazon EKS, Helm, Argo CD
- CI/CD & Version Control: GitHub Actions, GitLab CI, Bitbucket Pipelines, Jenkins, Azure DevOps, CircleCI, Git, GitOps
- Observability & Monitoring: Prometheus, Grafana, OpenTelemetry, CloudWatch, Zabbix, Splunk
- Scripting & Automation: Python, Bash, PowerShell
- OS & Networking: Linux, Windows Server, TCP/IP, OSPF, BGP, firewalls (Fortinet, Mikrotik), VPN, SSH, DNS, DHCP
- Databases: Amazon RDS, PostgreSQL, MySQL, Microsoft SQL Server
- AI & Agents: building AI agents for automation and problem-solving, designing custom skills for smarter task management, prompt engineering applied to DevOps workflows (Claude, OpenAI ChatGPT & Codex, GitHub Copilot)

EXPERIENCE

Cloud Systems Administrator

Harris Computer | Toronto, Ontario | Nov 2024-Current

- Designed and maintained Infrastructure as Code with Terraform, Terragrunt, and Ansible, standardizing AWS environments across internal squads and client teams and accelerating provisioning of new projects

- Managed AWS services end-to-end (EC2, RDS, S3, FSx, VPC) and led cost-optimization initiatives, reducing unnecessary spend while ensuring high availability and performance
- Migrated on-premises servers and services to AWS, including relational databases moved to Amazon RDS and Windows SQL, with minimal downtime and full rollback plans
- Built CI/CD pipelines on Bitbucket with Docker and GitOps practices, enabling safer deployments and faster delivery for product and client squads
- Owned new cloud projects from planning to implementation, acting as the DevOps reference for internal teams and Harris Computer clients.

DevOps Engineer

Connectist | Redwood, California | Jul 2024-Jan 2025

- As an embedded DevOps engineer on a US-based product team, automated routine infrastructure operations with Python, Bash, Ansible, and Terraform — reducing manual intervention by ~40% across a fleet of ~50 AWS instances and freeing the platform team for higher-value work
- Operated the Prometheus + Grafana observability stack covering ~20 production services, enabling faster incident detection and reducing unplanned downtime by ~15%
- Embedded with 5+ engineering squads as the DevOps reference, shortening lead time on cross-team cloud and automation requests by ~20%
- Administered GitLab as the central source-control platform for 80+ engineers, enforcing branching and review policies that reduced integration conflicts across 40+ repositories
- Containerized and orchestrated ~12 microservices on Docker and Kubernetes, accelerating release cadence by ~45% and enabling safe, one-command rollbacks on failed deployments.

DevOps Engineer

GFT | São Paulo, SP | Nov 2022-Jul 2024

- Delivering for enterprise GFT clients, built an Infrastructure as Code baseline with Terraform and Ansible that migrated 30+ on-premises servers and services to AWS, cutting environment setup time by ~65% versus the previous manual-provisioning workflow and improving scalability and reliability
- Operated AWS services (EC2, S3, Route 53, EKS, Lambda, IAM) across 3+ client environments in banking and financial services, standardizing scalable, cost-efficient and security-reviewed patterns for GFT's enterprise clients
- Modernized ~15 legacy .NET applications by migrating them to AWS Elastic Beanstalk and moving Postgres, MySQL and SQL Server workloads to Amazon RDS, improving application performance by ~37% versus on-premises baselines and reducing maintenance effort across client-banking environments
- Designed managed CI/CD pipelines on Azure DevOps covering ~10 services, shortening deployment time by ~30% versus prior manual release windows and cutting production rollout errors through standardized approval gates and automated tests

- Rolled out an internal developer platform based on Backstage for 5+ development teams, giving engineers self-service access to AWS resources and templated project scaffolds while keeping governance and security reviews centralized.

DevOps Engineer

Instituto Atlântico | Fortaleza, Ceará | Jul 2021-Nov 2022

- Supported an R&D institute by managing AWS data and analytics workloads (EC2, EKS, RDS, Lambda, Athena, S3, SageMaker, Redshift) that powered research and data-science projects for ~25 researchers and engineers
- Tuned the AWS research platform for high availability and elastic scalability on bursty ML training and data-processing workloads, reducing operational incidents that previously interrupted long-running experiments
- Partnered with ~10 data scientists and developers by running AWS enablement sessions and providing daily troubleshooting on SageMaker, Redshift and Athena pipelines, improving data-processing efficiency by ~15% versus the team's previous ad-hoc workflow
- Built Jenkins pipelines orchestrating Ansible AWX to release ~20 research and analytics services, accelerating deployment cycles by ~25% and removing the manual, error-prone steps previously owned by individual researchers
- Introduced Infrastructure as Code with Terraform and Ansible as the standard for 4+ research and staging environments, bringing provisioning time down from days to hours and enforcing consistent configuration across dev, test and production
- Instrumented applications and services with Prometheus, Splunk and CloudWatch across ~20 workloads, raising system visibility and enabling proactive resolution that reduced downtime by ~18% on research and production services.

Cloud Specialist

Clínica SIM | Fortaleza, Ceará | Feb 2018-Jun 2021

- Administered the hospital network across ~5 clinic sites — TCP/IP routing with OSPF and BGP, Fortinet and Mikrotik firewalls, Windows Server and protocols like HTTP, DHCP, SSH and SMTP — keeping operations secure, cutting network downtime and improving service-to-service communication for clinical systems
- Architected and planned infrastructure, resulting in more scalable and cost-effective systems capable of adapting to future growth, reducing infrastructure costs, and increasing resource resilience
- Administered Windows and Linux servers, which ensured server security and stable environments for critical applications in hospital settings
- Managed servers and services on Oracle Cloud Infrastructure (OCI), leading to better cloud resource utilization and improved operational efficiency, while maintaining security, scalability, elasticity, and compliance standards

- Deployed and administered Docker and Kubernetes environments hosting ~15 internal clinic applications and microservices, reducing manual configuration time by ~30% versus the legacy VM-based process and improving resource allocation across the hospital's data center
- Managed VoIP and PABX infrastructure based on Asterisk, serving ~200 internal phone users, reducing call downtime by ~18% versus the previous legacy PABX and boosting productivity of the scheduling and customer-service teams.

EDUCATION AND TRAINING

MBA in Software Engineering with AI *(in progress)*

Full Cycle | Dec 2025 – Present

MBA in Cloud Computing

Business School Brasil | Fortaleza, Ceará | Jan 2022

Bachelor of Science in Network Administrator Technician

Faculdade Terra Nordeste | Fortaleza, Ceará | Aug 2017

CERTIFICATIONS

AWS Certified Cloud Practitioner

Amazon Web Services | Oct 2022