

# LLOYD CARTER

## Cloud Engineer

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Cloud infrastructure engineer specializing in Infrastructure as Code (IaC), secure AWS deployments, and CI/CD automation. Proven ability to provision and manage scalable cloud environments using Terraform with a focus on reproducibility, cost savings, and DevOps best practices. Background in scripting and systems integration in hybrid Windows/Linux environments and cloud-native stacks.

### CORE SKILLS

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- Cloud Platforms: AWS - EC2, VPC, IAM, S3, RDS, Route 53, ELB, CloudFront, Lambda
- Infrastructure as Code: Terraform - modularization, S3 backends, remote state locking
- DevOps & CI/CD: GitLab CI, version control, automation pipelines
- Security & Networking: Secure architecture, cryptography, VPNs, WAFs, patching
- Scripting & Automation: Python, Bash, ETL workflows, CLI tooling
- Operating Systems: Windows Server - AD, DNS, IIS, Linux - Amazon Linux, Ubuntu, RedHat
- Networking: Cisco routing, firewall configuration, VPN tunneling, NACLs, subnets

### PROFESSIONAL EXPERIENCE

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#### Cisco Systems - Global

August 2018 – Present

##### INFRASTRUCTURE ENGINEER ▪ February 2021 – Present

- Migrated 10+ business-critical applications to **Amazon Web Services** with improved resilience and uptime
- Automated encrypted **ETL pipelines**, decreasing manual hours by 40%
- Conducted cloud platform hardening through OS patching and SSL remediation
- Built and pushed production-ready AWS environments using Terraform and **GitLab CI**
- Helped customer onboarding and cloud migrations, enabling secure, low-downtime migrations
- Monitored hybrid infrastructure across Windows and **Linux** platforms, with in-depth expertise in **EC2, VPCs, IAM, S3, RDS, and CloudWatch**
- Provided hands-on support and active management to guarantee reliability and improve service uptime
- Collaborated cross-functionally to make sure cloud architecture was aligned with evolving customer and business needs

##### INFRASTRUCTURE ENGINEER Webex CPAAS (Formerly IMImobile) ▪ August 2018 – January 2021

- Deployed and ran apps behind **F5** and **Radware** load balancers
- Managed **VMware** vSphere resources on production and staging
- Managed multi-site **Cisco** network and data centre equipment
- Maintained server security posture via patching, hardening, and certificate management
- Managed end-to-end application delivery, including **SSL** certificate management, **DNS** configuration, and IIS
- Supported and maintained physical data centre equipment, including server hosts and **SAN** storage arrays
- Migrated over 40 web applications with zero downtime; increased deployment confidence
- Spearheaded timely incident resolution for on-call escalations, offering swift resolution in high-stress situations

#### TECHNICAL SUPPORT ANALYST

- Provided cross-platform IT services to business customers
- Deployed servers on Microsoft and **Mac** operating systems, including **Active Directory**, file/print sharing, **Exchange Server**, and enterprise-level antivirus solutions
- Performed network management on physical and virtual platforms like switches, routers, terminal services, dial-in remote, and site-to-site **VPN** configuration
- Managed **Office 365** administration for email and productivity suite deployment, access management, and licensing
- Administered disaster recovery procedures and local backup planning using Falconstor, iDrive, and Windows Server Backup, ensuring data integrity and recoverability

#### EDUCATION

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**BSc (HONS) Computing and Information Systems**, London Metropolitan University, 2008

**NCC Advanced Diploma in Computer Studies**, CTI Education Group, Johannesburg, 2007

#### CERTIFICATIONS

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**AWS Certified Solutions Architect Associate**, AWS, 2024

**MCSA Windows Server 2012**, Microsoft, 2017

**Certified Ethical Hacker**, EC Council, 2011