

DevOps and Cloud Infrastructure Engineer specializing in AWS cloud architecture, automation, and scalable system design. Purpose oriented professional with proven experience in systems engineering, RHEL based Linux administration(Centos, Rocky), Python workflow automation using Docker microservices and Ansible.

Strong Linux systems background with RHEL administration (CentOS, Rocky Linux) across production environments.

Proficient in Infrastructure as Code (Terraform) and configuration management using Ansible for automated provisioning and deployments. Hands-on experience building and orchestrating Docker-based microservices with event-driven integrations such as RabbitMQ.

Skilled in Python automation and Rust for performance-critical components to optimize system efficiency. Experienced in implementing CI/CD pipelines, monitoring, troubleshooting, and security hardening across cloud and Linux systems.

Focused on delivering resilient, automated, and cost-efficient infrastructure aligned with modern DevOps and cloud-native best practices.

AREAS OF EXPERIENCE

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| ❖ Python | ❖ RabbitMQ | ❖ Applications Development |
| ❖ Docker | ❖ IT Infrastructure | ❖ Network Administration |
| ❖ Cross-functional Collaboration | ❖ Rust Systems Language | ❖ GPFS management |
| ❖ CI/CD workflows | ❖ Technical Support
(Windows/Linux/Mac) | ❖ Hardware
(installation/Maintenance) |
| ❖ AWS/GCP | ❖ Terraform | ❖ Cloud |

TECHNICAL PROFICIENCIES

Linux | CentOS | RHEL | Ansible | Ansible Playbooks | Git | GitLab | PIP | Rust | Python | RabbitMQ | Aspera | Linux Virtualization | Nutanix | NAS | Azure AD | DNS | DHCP | VPN | Fortinet Firewall & VPN | WAN & LAN | Hyper-V | SQL | Digital Cinema Packaging | Teradici/Amulet | Digital/Analog Audio | Mimecast (Email Server)|AWS| GCP| Terraform

EXPERIENCE HIGHLIGHTS

Systems Engineer - Linux | AWS(Amazon Web Services), London

2025 to Present

Design, deploy, and maintain secure, highly available AWS cloud infrastructure using EC2, ECR, VPC, IAM, Route 53, S3, and Bedrock, with a strong focus on automation and DevOps best practices. Implement Infrastructure as Code using Terraform and configuration management to provision and manage EC2 instances and containerized workloads, supporting automated deployments through CI/CD pipelines. Monitor and optimize system performance using CloudWatch and centralized logging, while troubleshooting VPC networking, VPN connectivity, and security group configurations. Strengthen cloud security posture through IAM least-privilege design, NACL and Security Group management, vulnerability remediation, and infrastructure hardening, integrating Python and Rust automation to streamline operations and enhance deployment reliability across cloud-native environments.

Projects and Tools:

- **MBR Generator:** Designed and deployed a cloud-native Slackbot that generates automated Monthly Business Review (MBR) reports by analyzing managerial comments and operational metrics using generative AI. Integrated AWS Bedrock with Claude models to perform AI summarisation, contextual analysis, and structured report generation. Built the workflow using Infrastructure as Code (Terraform) to provision Lambda functions, EC2 instances, ECR repositories, and AWS Fargate for containerized processing. Implemented event-driven architecture patterns to ensure scalability, cost efficiency, and fault tolerance across environments.
- **TicketBot:** Developed a serverless automation bot to analyze support tickets and automatically classify and filter attached json files based on intended AWS regions. Leveraged AWS Lambda for event driven processing,

integrating automated logic to reduce manual triage effort and improve routing accuracy. Designed the solution to be scalable, secure, and optimized for low-latency execution within AWS cloud-native architecture.

Systems Engineer - Linux | Eikon Group, London

2022 to 2025

Maintain a secure and efficient IT infrastructure by managing Linux-based systems, including DNS and DHCP. Ensure optimal server performance and functionality on Linux (CentOS, RHEL) by deploying OS and application updates, automating preventative maintenance tasks, and managing system reboots. Provide technical support with a focus on Linux platforms, troubleshooting issues related to VPN connectivity and system performance. Utilize Rust and Python to automate repetitive tasks, streamline workflows, and enhance operational efficiency. Leverage tools like Ansible for configuration management and system hardening, and proactively check for package vulnerabilities using Linux-native tools. Implement and manage firewall configurations and file/folder ACLs to maintain a secure environment. Collaborate with third-party vendors for hardware maintenance and upgrades. Test new solutions for enhanced security such as Darktrace for cyber security

Projects and Tools:

- **Trakstor:** Designed and implemented a custom workflow automation system to streamline all data ingestion processes within the company. Rust Systems programming language for its performance, concurrency, and efficient memory management. Integrated an Elasticsearch solution with GPFS, utilizing extended attributes (xattrs) and API calls provided by Pixstor for advanced search capabilities. Implemented UUID-based folder management to minimize directory tree depth and enhance scalability.
- **Inspekt:** A tailor-made Linux CLI-based Digital Cinema Package inspection tool performing over 180 checks, including hash validation, JPEG2000 bit checks, and CCAP/subtitle language consistency, significantly boosting the mastering team's productivity.
- **Aspera Auto Ingest:** Developed Docker microservices to automate data ingestion based on sender-specific factors (e.g., Apple, Netflix). Automated folder structure creation and notifications to relevant teams (e.g., Pro Tools sessions for Audio QC) based on incoming data.
- **ADCP (Automated Data Communication and Processing):** Created a cluster of Docker microservices on separate VLANs/locations that communicate via RabbitMQ. Services include email dispatch and data processing.
- **Alula Bible:** Designed a custom Excel workflow for Apple titles to create labels for outgoing data.
- **Active Directory Policies:** Implemented AD policies to address niche bugs, such as Teradici black screens for VMs running on Nutanix.
- **PDQ Deploy Automation:** Automated the removal of legacy programs, such as Internet Explorer, for security purposes, triggered when computers join the domain or computer heart beat. Automated installation of Programs and features such as Chrome Extensions
- **Workstation Deployment:** Streamlined desktop and laptop deployment, leveraging imaging techniques to enhance setup times and user productivity.

ADDITIONAL EXPERIENCE

Pearsons LPO (Loss Prevention Officer/ Security) | Pearsons, London

2022-2022

- A proactive professional with experience in enforcing security policies to prevent theft and ensure store safety.
- Investigated potential security risks and hazards, and took appropriate measures to mitigate them
- Excellent communication and coordination skills, able to collaborate effectively with loss prevention team; Ensuring store safety.
- Monitored and inspected CCTV cameras to ensure they were functioning properly and providing clear image; analysing footage for potential thefts.

Manager Senior Team Leader | Greggs, London

2017– 2022

- Empowered new and existing team members by offering comprehensive training in products, selling techniques, and processes, contributing to positive business performance.
- Maximised business revenue and profits by employing up-selling strategies and informing customers of new products and deals, yielding significant sales.

- Earned “Star Employee Award” and promotion to Team Leader position through outstanding performance.

EDUCATION & PROFESSIONAL DEVELOPMENT

Comptia A+ | Google Cyber Security | Complete C# Unity Game Developer (Udemy) | AWS (work in progress)

Bachelor of Science (Hons), Games Design | Middlesex University | 2020

A Level: ICT BTEC (Level 3) | Winchmore School, London | 2016

A Level: Media Studies(Level 3) | Winchmore School, London | 2016

A Level: Game Design BTEC (Level 3) | Winchmore School, London | 2016