Oliver Whitelegg

Email Address • Personal site • Github

PROFESSIONAL SUMMARY

Seasoned devops engineer with 6 years of extensive experience in CI/CD, IAC and configuration management.

Known for strong problem-solving abilities, excels in optimizing system performance, enhancing security measures, and ensuring seamless operations for organizations across diverse industries.

A collaborative team player skilled in communicating technical concepts to non-technical stakeholders and fostering effective cross-functional teamwork. Committed to continuous learning and staying current with industry best practices.

EDUCATION & TRAINING

Comptia A+	**2016**
Level 3 diploma in ICT professional competence	**2017**
Level 3 diploma in ICT systems and principles	**2017**
IT professionals functional skills	**2017**
LPI Linux essentials	**2018**
ITIL foundation	**2019**

SKILLS

Technical skills:
Bash, MySQL, Postgres, Python, CentOS/RHEL, Terraform, Packer, Gitlab, AWS, Docker, Ansible, Jenkins, DataDog, S3, Route53, EC2, RDS, DynamoDB, ELB

Soft skills:
Time management, Work Ethic, Reliability, Teamwork, Mediation

EXPERIENCE

Site Reliability Engineer   **July 2022 - Aug 2024**
Teamworks

- Developed and managed Terraform code to provision customer EC2 instances with Route53 networking, S3 integration, and RDS databases, reducing infrastructure provisioning time by 60% and ensuring consistent, scalable deployments.
- Automated manual workflows using Bash and Python scripts, leading to a 30% increase in team productivity within 3 months.
- Implemented Ansible playbooks to automate configuration management across 400+ servers, decreasing configuration drift incidents by 90% and reducing deployment errors by 25% in 6 months.

Devops Engineer   **Aug 2021 - May 2022**
IMS(Trak global group)

- Automated BAU tasks using Python and Bash scripts, resulting in a 30% increase in team productivity by freeing up over 40 hours of manual work per week.
- Developed and executed Ansible playbooks to standardize configuration across a large server estate, achieving a 75% reduction in configuration drift, decreasing downtime by over 30%.
- Created Ansible Playbooks to automate EC2 infrastructure provisioning, reducing deployment time by 25% and improving efficiency.

Junior Devops Engineer **Feb 2019 - Aug 2021**

Interactive Investor

- Automated BAU tasks using Bash scripts and jenkins, resulting in a 50% increase in team productivity by freeing up 20 hours of manual work per week within 3 months.
- Developed and documented dozens of user-friendly workflows enabling non-technical internal customers to self-service, reducing team workload and improving response times.
- Partnered with developers to identify and resolve complex, bespoke application issues, reducing critical bug resolution time and improving application stability.

Linux Engineer **July 2018 - Jan 2019**

Robert Bosch

- Responded to internal customer's technical queries via E-mail.
- Worked with automation, configuration and containerization technology such as Docker and Jenkins.

Linux Engineer **Nov 2017 - July 2018**

UKFast

- Ensured customer servers adhered to PCI compliance standards, conducting security audits and implementing necessary configurations to meet regulatory requirements.
- Liaised with datacenter technicians to coordinate the replacement of failed hardware, minimizing disruption to customer operations.
- Troubleshooted server performance issues, identifying bottlenecks and optimizing server resources to enhance reliability and efficiency.

Application Support Engineer **Feb 2017 - Nov 2017**

Ultra Electronics (Airport Systems)

- Managed a large and varied estate of globally distributed hardware and software for critcal infrastructure of airports.
- Traced and recreated technical issues for fault resolution.
- Worked with developers to debug complicated bespoke application issues.

Linux Engineer **Jan 2016 - Jan 2017**

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- Managed LAMP stack configurations, supporting hosted web applications and ensuring proper server functionality.
- Diagnosed and addressed disk space issues, ensuring optimal server performance and client satisfaction.
- Utilized Bash scripting to automate routine server maintenance tasks and streamline system monitoring processes.

PROJECTS

- **Addition only calculator** Built a calculator in C++ which only uses addition and bitwise operations to do the 4 basic operations (Source code here)
- **Enigma machine emulator** Built an enigma machine emulator in python. models 3 rotors and is reciprocal.(Source code here)
- **Forex API lookup tool** Built a tool which can access an API and give you the value of one currency in the other currency. (Source code here)

ACHIEVEMENTS

- Being given a commendation during a staff meeting for my reliable nature.
- Giving a speech on IT prospects to a large group of IT apprentices.
- Using SQL injection and a reverse shell via a web app on a virtual machine to gain access to the root account via a Linux kernel bug.