DAVID ALISTAIR MEADE JR.

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SOFTWARE ENGINEER

SUMMARY

Software Engineer specialising in Infrastructure, MLOps, Platform Engineering and Site Reliability Engineering (SRE), with professional experience in AWS, Azure, Docker, Kubernetes, Ansible and Terraform. Proficient in CI/CD using Jenkins and Argo CD, and monitoring with Grafana and Prometheus. Strong programming background in compiled languages C and C++, along with dynamic and cross-stack languages such as Python and TypeScript. Collaborative systems thinker with a first-principles approach to building scalable infrastructure for high-performance customer-centric products.

SKILLS

- **Programming:** Python, C++, C, TypeScript, JavaScript
- **Platforms & Tools:** AWS (EKS), Azure, Docker, K8s, Linux, Terraform, Ansible, Git, Jenkins, Argo CD, Grafana, Prometheus
- **Technical Skills:** CI/CD, Infrastructure as Code, GitOps, Systems Design, Monitoring/Observability, Container Orchestration

PROFESSIONAL EXPERIENCE

Software Engineer (Platform) — **2023 - Present**
Capgemini — **Hybrid**

- Implemented Docker and Kubernetes across Prod and Non-Prod environments. Streamlined deployments and resolved infra issues. This improved stability and reduced incidents, with fewer escalations and more consistent uptime.
- Developed Ansible and Terraform scripts to fix vulnerabilities and resolved Jenkins alerts. Integrated SonarQube for automated scanning. This streamlined pipelines and enhanced security, as evidenced by reduced manual intervention.
- Administered Prod and Non-Prod environments, along with CI/CD pipelines. Used Azure and ARM templates for IaC. This improved deployment reliability & delivery speed. Which were reflected in smoother rollouts & fewer pipeline failures.

Software Engineer — **2022 - 2022**
Flooz — **Remote**

- Implemented automated regression tests to improve platform reliability. This led to fewer bugs and QA escalations, as shown by increased stable releases and fewer support tickets.
- Built an embedded token swap widget using TypeScript & React. This let token partners easily add swap functionality to their websites. As a result, they saw increased transactions. Higher transaction volumes across partner platforms reflected this.
- Developed responsive trading and dashboard components using TypeScript and React. This improved user experience and engagement on the platform. As reflected in increased trading volume and positive user feedback.

Software Engineer (Degree Apprenticeship) — **2017 - 2022**
Santander — **On-site**

- Built metrics tools with TypeScript for PoCs in the Innovation Hub. Also managed Jenkins deployments. This improved engineering efficiency & teamwork. These improvements were evidenced by faster feedback loops & greater tool adoption.
- Developed features using TypeScript and Java for an internal learning & collaboration platform. This increased cross-team collaboration and mentorship. Evidence of this included a rise in mentoring relationships between engineers.
- Built custom dashboards using TypeScript, enhancing visibility and decision-making for internal product teams. This was reflected in improved task tracking and more data-driven planning.

EDUCATION

Master of Science (M.Sc.) in Computer Science, Georgia Institute of Technology — **2025 - 2027**

- Algorithms, High-Performance Computer Architecture, Artificial Intelligence, Advanced Operating Systems, Deep Learning, High-Performance Computing, Distributed Computing, GPU Hardware & Software, Compilers Theory & Practice

Blockchain and Distributed Systems, Imperial College London — **2022 - 2022**

- Distributed Systems, Blockchain Technologies, Systems Design, Smart Contract Engineering, Decentralised Oracle Integration

Bachelor of Science (B.Sc.) in Computer Software Engineering, BPP University — **2017 - 2022**

- Programming in Python, Maths for Computing, Information Security, Computer Networks, Systems Analysis & Design, Database Management, Object Oriented Programming, Web Application Development, Software Testing