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 **infrastructure** 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 **reusable** embedded token swap **component** with **React (TS)**. This let token partners 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.
- Built **reusable components** using **TypeScript** & **Java** for an internal learning & collaboration platform. This increased cross-team **collaboration** & **mentorship**. Evidence of this included a rise in mentoring relationships between engineers.
- Implemented **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