

# 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

<b>Software Engineer (Platform)</b> <b>Capgemini</b>	<b>2023 - Present</b> <b>Hybrid</b>
<ul style="list-style-type: none"><li>• Implemented <b>Docker</b> and <b>Kubernetes</b> across <b>Prod</b> and <b>Non-Prod environments</b>. Streamlined <b>deployments</b> and resolved <b>infrastructure</b> issues. This improved stability and reduced incidents, with fewer escalations and more consistent uptime.</li><li>• Developed <b>Ansible</b> and <b>Terraform</b> scripts to fix <b>vulnerabilities</b> and resolved <b>Jenkins</b> alerts. Integrated SonarQube for <b>automated scanning</b>. This streamlined pipelines and enhanced <b>security</b>, as evidenced by reduced manual intervention.</li><li>• Administered Prod and Non-Prod environments, along with <b>CI/CD pipelines</b>. Used <b>Azure</b> and <b>ARM templates for IaC</b>. This improved deployment reliability &amp; delivery speed. Which were reflected in smoother rollouts &amp; fewer pipeline failures.</li></ul>	
<b>Software Engineer</b> <b>Flooz</b>	<b>2022 - 2022</b> <b>Remote</b>
<ul style="list-style-type: none"><li>• Implemented <b>automated regression tests</b> to improve platform reliability. This led to fewer bugs and QA escalations, as shown by increased stable <b>releases</b> and fewer support tickets.</li><li>• Built an <b>reusable</b> embedded token swap <b>component</b> with <b>React (TS)</b>. 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.</li><li>• Developed responsive trading and <b>dashboard</b> components using <b>TypeScript</b> and <b>React</b>. This improved <b>user experience</b> and engagement on the platform. As reflected in increased trading volume and positive user feedback.</li></ul>	
<b>Software Engineer (Degree Apprenticeship)</b> <b>Santander</b>	<b>2017 - 2022</b> <b>On-site</b>
<ul style="list-style-type: none"><li>• Built metrics tools with <b>TypeScript</b> for PoCs in the Innovation Hub. Also managed <b>Jenkins deployments</b>. This improved engineering efficiency &amp; teamwork. These improvements were evidenced by faster feedback loops &amp; greater tool adoption.</li><li>• Built <b>reusable components</b> using <b>TypeScript &amp; Java</b> for an internal learning &amp; collaboration platform. This increased cross-team <b>collaboration &amp; mentorship</b>. Evidence of this included a rise in mentoring relationships between engineers.</li><li>• Implemented <b>custom dashboards</b> using <b>TypeScript</b>, enhancing visibility and decision-making for internal product teams. This was reflected in improved task tracking and more data-driven planning.</li></ul>	

### EDUCATION

<b>Master of Science (M.Sc.) in Computer Science</b> , Georgia Institute of Technology	<b>2025 - 2027</b>
<ul style="list-style-type: none"><li>• Algorithms, High-Performance Computer Architecture, Artificial Intelligence, Advanced Operating Systems, Deep Learning, High-Performance Computing, Distributed Computing, GPU Hardware &amp; Software, Compilers Theory &amp; Practice</li></ul>	
<b>Blockchain and Distributed Systems</b> , Imperial College London	<b>2022 - 2022</b>
<ul style="list-style-type: none"><li>• Distributed Systems, Blockchain Technologies, Systems Design, Smart Contract Engineering, Decentralised Oracle Integration</li></ul>	
<b>Bachelor of Science (B.Sc.) in Computer Software Engineering</b> , BPP University	<b>2017 - 2022</b>
<ul style="list-style-type: none"><li>• Programming in Python, Maths for Computing, Information Security, Computer Networks, Systems Analysis &amp; Design, Database Management, Object Oriented Programming, Web Application Development, Software Testing</li></ul>	