Hassan Aftab

Sr. DevSecOps Engineer | SRE @ TEO International | Automation, Shell scripting, CI/CD, Docker, Kubernetes, GitOps | Azure, AWS | Terraform, Ansible | Sonar, Prometheus, Grafana | Kali Linux, Cybersecurity, White Hat

📞 +92-313-5189591 | ✉ hassanaftab.pk@gmail.com | 📍 Islamabad, Pakistan | in
linkedin.com/in/hassanaftab93 | ⬤ github.com/hassanaftab93 | 🌐 linktr.ee/hassanaftab

Summary

Security-focused DevOps Engineer with expertise in **ethical hacking, cloud security, and infrastructure automation**. Leverages a proactive, offensive security mindset to identify and remediate vulnerabilities across the CI/CD pipeline and cloud environments. Designs and implements robust, scalable systems that enhance security posture without impeding development velocity, enabling organizations to deploy with confidence.

Technical Skills

- **Cloud & Platforms:** AWS, Azure, Kubernetes (AKS), Docker.

- **Infrastructure as Code:** Terraform, GitOps (ArgoCD).

- **CI/CD & Automation:** CI/CD Pipelines, GitHub Actions, Azure DevOps, Bash, Python.

- **Security Tools:** SonarQube/SonarCloud, Burp Suite, Nmap, Azure Policy.

- **Security & Compliance:** DevSecOps, Vulnerability Management, OWASP, MITRE ATT&CK, GDPR.

- **Monitoring & Logging:** Azure Monitor, Prometheus, Grafana, Log Analytics.

Experience

Sr. DevSecOps Engineer, TEO International   Oct 2024 – Present

- Standardized and enforced secure CI/CD pipelines, reducing deployment time by 65% and increasing deployment frequency from weekly to multiple daily releases.

- Led Docker and Kubernetes adoption, containerizing 40+ microservices and improving resource utilization by 45%, while reducing infrastructure costs by 30%.

- Planned and optimized Azure Kubernetes Service (AKS) provisioning and operations, eliminating manual intervention and decreasing deployment failures by 95% through automated rollbacks and health checks.

- Embedded security scans and policy gates across the SDLC, reducing critical vulnerabilities in production by 90% year-over-year and cutting security review time from 5 days to 2 hours.

- Built secure cloud infrastructure with Terraform managing 200+ resources, achieving 99.95% uptime and reducing provisioning time from 4 hours to 15 minutes.

- Integrated SonarCloud and Aikido, identifying and resolving 95% of security vulnerabilities pre-production and improving code quality score from B to A+.

- Implemented GitOps using ArgoCD, reducing configuration drift incidents by 95% and improving deployment consistency across 4 environments.

- Directed Azure migration of 50+ servers and 15 databases, completing 3 months ahead of schedule with zero data loss and 40% performance improvement.

DevOps Engineer, TEO International   Feb 2023 - Oct 2024

- Designed and enforced CI/CD pipelines reducing average deployment time from 2 hours to 20 minutes.
- Containerized 70+ microservices using Docker, reducing environment inconsistencies by 90% and cutting deployment failures by 70% across multiple projects.
- Streamlined AKS deployment processes, reducing manual deployment effort by 85% and improving release consistency across 3 staging environments.
- Promoted DevOps practices across 15 development teams, reducing lead time from commit to production from 2 weeks to 2 days and increasing deployment frequency by 400%.
- Utilized Terraform to manage 150+ cloud resources, reducing configuration errors by 80% and cutting infrastructure provisioning time by 75%.
- Executed automated code reviews with SonarCloud, improving code quality by 50% and reducing technical debt by 60% across 30+ code repositories.

Quality Assurance Engineer, TEO International   Jun 2022 - Jan 2023

- Introduced CI/CD to the My-Masjid project by implementing Azure DevOps pipelines from scratch, automating build and deployment processes that were previously manual.
- Containerized the application using Docker, ensuring consistent environments from development to production and eliminating configuration drift.
- Executed comprehensive manual testing strategies, including functional, regression, and user acceptance testing, identifying and documenting 50+ defects pre-release.
- Conducted end-to-end manual testing for My-Masjid application, validating prayer times, event management, and donation functionality.
- Developed and maintained test cases and checklists, increasing test coverage by 60% and ensuring critical paths were consistently verified.
- Reported and prioritized bugs based on severity and impact, enabling developers to address critical issues before production deployment.
- Participated in requirement analysis and provided feedback on user experience and potential edge cases.

Data Analyst Intern, IBM   Mar 2021 - Jun 2021

- Analyzed complex datasets using Python, Pandas, and NumPy to extract actionable insights that informed strategic business decisions.
- Built data processing scripts that reduced manual data cleaning time by 60% and improved data accuracy by 40
- Created data visualizations and dashboards using Matplotlib to communicate findings to stakeholders, enabling data-driven decision making.

Certifications

Jr Penetration Tester	TryHackMe
Applied Data Science Capstone	IBM/Coursera
Databases and SQL for Data Science with Honors	IBM/Coursera
Data Science Specialization with IBM	IBM/Coursera

Education

BS in Computer Science, Bahria University	2015 - 2019
Deutsch A1/A2, Heinrich-Heine Sprachzentrum	2019 - 2020
A Levels, University of Cambridge	2012 - 2014
O Levels, University of Cambridge	2010 - 2012

Languages

English: Full Professional | **German**: Limited Working | **Urdu**: Native or Bilingual | **Punjabi**: Native or Bilingual