SHAAF AHMAD

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SKILLS

Languages	Python, SQL, Java
Tools/Skills	Linux, Docker, Kubernetes, AWS, GCP

WORK EXPERIENCE

Software Test Engineer
Fiserv (Financial Services/Payments)   July 2023 – Present

- Conducted performance testing with DevOps teams to optimize cloud deployment. Improved application performance, enabling it to **handle 1,000 users and reducing response time by 75%**.
- Developed an automated end-to-end test suite using Selenium and Java, improving functional defect detection and increased efficiency by automating manual tests.
- Collaborated with cross-functional teams to resolve issues and conduct **root cause analysis of problems such as high response times, server time-out errors and high memory usage**, resulting in meeting Service Level objectives and successful deployment to production with minimal issues.
- Utilized **Dynatrace to monitor resource usage (CPU, memory, etc)** of Kubernetes environments. Identified abnormal behavior and collaborated with teams to resolve issues, resulting in a reduction of resource related incidents. .
- Identified and addressed **34 defects** through rigorous load testing, resulting in a **cost saving of $324,000** by preventing potential system failures and enhancing application reliability.

PROJECTS

News Trading/Alert Bot (Python, AWS EC2)

- Developed a Python Script to monitor Bybit's new listings via API and make market orders, reducing manual monitoring time by 95%. Hosted the solution on **AWS EC2 running Linux** .
- Integrated Telegram bot alerts for new Bybit ticker listings, resulting in instant notifications to 10 traders.

Blog deployment (Terraform, Ansible, Git, CI/CD, Docker)

- Automated infrastructure provisioning using Terraform and configured servers with Ansible, reducing manual setup time.
- Containerized the website with Docker and deployed it using NGINX as a reverse proxy with SSL, improving security and deployment flexibility
- Implemented a CI/CD pipeline with GitHub Actions, automating the build and deployment of Docker containers, resulting in faster and more reliable deployments

Tutoring Management Web Application (Python, Django Rest Framework, Bootstrap, Javascript)

- Utilized Django Rest Framework with **MySQL** to ensure efficient data management and seamless backend operations.
- Developed frontend, employing Bootstrap to ensure a user-friendly interface and mobile responsiveness.
- Successfully implemented CRUD operations, ensuring users have control over data management.

EDUCATION

BSc in Computer Science, **University of Westminster**   Sep 2020 – July 2023
First Class Honours