XUANBO GUO

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OBJECTIVE

DevOps Engineer with strong foundations in software testing, cloud environments, and automation. Skilled in building and maintaining CI/CD pipelines, containerization, and cloud-native deployments. Experienced in collaborating with developers and operations teams to deliver scalable, secure, and reliable infrastructure. Passionate about streamlining workflows and ensuring high availability through monitoring, automation.

EDUCATION

Master in Management Information Systems, Temple University - Philadelphia, PA   2020 - 2021

Bachelor in Supply Chain Management, Temple University - Philadelphia, PA   2014 - 2017

SKILLS

DevOps & Cloud:	Docker, Kubernetes, Azure, AWS, Jenkins, GitHub Actions, Terraform, Ansible
Programming and Scripting:	Python, Bash, YAML, Groovy
Monitoring & Security:	Prometheus, Grafana, ELK, Suricata, Wireshark
Testing & QA :	CI/CD integration testing,automated regression, Log Analysis
OS & Tools:	Linux, Windows, VM, MySQL

EXPERIENCE

Microsoft   Jun2025-Present
Software Test Engineer(with devOps responsibilities)   Remote, *Canada*

- ✧ Automated regression and smoke tests within CI/CD pipelines, reducing manual QA efforts by 40%.
- ✧ Deployed test environments using **Docker and Kubernetes**, ensuring reproducibility across teams.
- ✧ Partnered with developers to implement **infrastructure-as-code** (Terraform + Azure) for staging and production environments.
- ✧ Configured monitoring dashboards in **Grafana/Prometheus** to track system performance and alerting.
- ✧ Integrated security scans (OWASP dependency checks) into build pipelines, improving release quality.

General Electric   Nov2021 - May2022
Digital Technology Leadership Internship   *Shanghai, China*

- ✧ Assisted in deploying and validating applications on **cloud-based platforms**.
- ✧ Supported system monitoring using **log analysis and automated alerting**.
- ✧ Collaborated with IT teams to standardize environment setup and deployment workflows.
- ✧ Worked on data validation pipelines ensuring reliable flow across digital platform.

PROJECTS

NetVisionary: Automated & Scalable IDS Platform (IEEE 2025)

- ✧ Built a scalable **intrusion detection platform** using Suricata with multi-threading for real-time monitoring.
- ✧ Automated deployment on **cloud-based Linux servers**, integrated with CI/CD workflows for updates.
- ✧ Configured alerting and dashboard monitoring to reduce false positives

OWASP Top 10 Security Testing Project:

- ✧ Designed automated testing pipelines to validate applications against **OWASP vulnerabilities**.
- ✧ Integrated security scans within CI/CD workflows for early defect detection