

# MUHAMMAD ASAD

## FULL STACK DEVELOPER | CYBERSECURITY SPECIALIST

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### SUMMARY

With over 2 years of experience as a full stack developer specializing in GIS and Django development, and currently pursuing a Master's in Cyber Security, I aim to leverage my development experience and cybersecurity knowledge to contribute to secure and impactful software solutions. Skilled in identifying vulnerabilities, implementing security measures, and analyzing threats to safeguard digital assets.

### TECHNICAL SKILLS

**Programming & Development:** Python, Django, JavaScript, React JS, HTML, CSS, Bootstrap, Android Development

**GIS & Mapping:** Mapping Libraries (Leaflet, OpenLayers), QGIS, GeoServer, PostGIS

**Database Management:** PostgreSQL, Firebase, SQLite, Room Database

**Cybersecurity:** Information Security, Cybersecurity, Firewalls, Penetration Testing, SIEM (Wazuh), Intrusion Prevention Systems (IPS), Vulnerability Assessments, Incident Response, Digital Forensics

**Tools & Technologies:** RESTful APIs, Git, Linux

### PROFESSIONAL EXPERIENCE

**GIS-Django Developer & Cybersecurity Specialist | Defense Housing Authority (DHA), Islamabad** Jan 2023 - Present

- Developed and maintained Land Information Systems for DHA using Django framework.
- Developed and maintained advanced custom web-based mapping applications using Django and React.
- Utilized GeoServer to host and create custom styling for spatial data.
- Monitored and analyzed security events and incidents to identify threats or breaches in the network.
- Responded to security incidents, conducted initial investigations, and implemented measures for containment and resolution.
- Conducted regular security assessments to identify vulnerabilities in systems, networks, and applications.
- Performed penetration testing to simulate attacks and discover weaknesses in the organization's security posture.
- Deployed, configured, and maintained security tools such as firewalls, antivirus software, and other security solutions.
- Implemented and managed SIEM (Security Information and Event Management) solutions to aggregate and analyze security data from multiple sources, enhancing threat detection and incident response capabilities.

**Python Django Developer | R2V Private Ltd** Oct 2021 - Mar 2023

- Developed custom web-based mapping applications using Django.
- Designed and optimized databases using PostgreSQL and PostGIS for efficient data storage and retrieval.

**Android Developer | Beta Angels Tech** Sep 2017 - Aug 2021

- Developed e-commerce and utility Android applications, incorporating secure coding practices to safeguard user data.

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## EDUCATION

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### **MS in Cyber Security**

**Aug 2023 - Current**

FAST National University of Computer and Emerging Sciences, Islamabad Campus

### **BS Computer Science**

**Sep 2017 - Aug 2021**

University of Engineering and Technology (UET), Taxila

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## ADDITIONAL INFORMATION

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- **Certifications:**
  - **IBM Cybersecurity Analyst Professional by Coursera**
  - **SQL Injection by Learn Skills**
  - **Ethical Hacking Essentials (EHE) by EC-Council**
  - **CompTIA Security+**