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Summary

A Network Engineer with a strong experience in troubleshooting mission critical infrastructure with a flair for implementing DevOps methodologies along the way.

Education

- **NYU Polytechnic School of Engineering** Brooklyn, NY, USA
  Master of Science in Computer Engineering *Aug. 2013 – May. 2015*

Experience

- **Radware Inc** Mahwah, NJ, USA
  Tier III TAC Engineer *Oct. 2018 - Apr. 2019*
  - **Premium engineer**: Provided dedicated support for multiple high profile customers with refined SLAs.
  - **Architect**: Helped customers architect their network to achieve optimal efficiency and security.
  - **Recreations**: Improved the efficiency of customers network infrastructure by recreating their network issues in a lab and implementing optimized policies.
    Helped R&D team to debug the issue especially in a voluminous traffic and in cases where the customers couldn't provide the logs or packet captures.
  - **Knowledge Base**: Helped team by documenting escalated cases and writing KB articles for unique issues / unique fixes.

  Tier II TAC Engineer *Nov. 2015 - Sept. 2018 .*
  - **Load Balancing**: Identifying the requirements and assisting ISPs in implementing layer 4 and layer 7 load balancing techniques.
  - **Security**: Configuring and implementing layer 3 security devices specializing in behavioral DoS mitigation. Configuring and deploying software defined solutions for achieving live mitigation of attacks and routing attack traffic to scrubbing centers.
  - **Monitoring**: Deployed network monitoring tools to help customers identify the bottlenecks and help optimize their infrastructure.

Projects

- **Personal Website**: Hosting my personal website on AWS provisioned using Terraform with continuous builds via TravisCI
- **On-demand compute service**: Developing a web application that provides a container based compute resource to authenticated users. The authentication is implemented using OAuth2 framework.
- **Endpoint health checker**: Developed a python module to check the http status of specified endpoint in a containerized environment using ansible playbook. This can be a pluggable module for monitoring systems.
- **News Bulletin Aggregator**: Implemented a Flask based application to display the most recent news headlines by scraping the relevant information from the specified sites.
- **Password Manager Application**: Implemented a Password Manager Application in Python that provides various AES encryption modes to encrypt the passwords and hashing to store the user credentials.

Certificates

- **CCNA R&S**: Cisco Certified Network Associate Routing and Switching *#CSC012790927*

- **CCNA Security**: Cisco Certified Network Associate Security *#CSC012790927*

Technical Skills

DevOps Tools: Git, Docker, Ansible, Terraform, TravisCI, AWS, Keycloak
Networking: Networking Protocols(TCP/IP, HTTP, SSL, DNS, NTP, SNMP, etc), GNS3, Cisco Routers/Switches, Wireshark, Packet tracer, Mininet for SDN development
Security: Firewalls, Vulnerability Scans, Nmap, Behavioral mitigation, OAuth2, Keycloak
Programming Language: Python