Ali **Ali**

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Experience

Free Lance   *Kuwait City, Kuwait*
Free Lance   *Nov. 2018 - Present*

- Created a **Flutter** mobile application serving as a proof of concept with a **Firebase** backend.
- Created and Deployed a **Vuejs** Frontend web application supporting dual language on Google Cloud Computing.
- Deployed and maintained cluster with **ESXi**, automated the deployment of images using **Packer** for fast and updated template deployments.
- Created **WPF** Application using MVVM Architecture for packet capturing and redirection on local machine using kernel drivers.
- Modeled and Designed Web API with CRUD implementation according to OpenAPI Specifications.

Research Assistant   *Manhattan, KS*
Kansas State University   *Spring 2015 - Spring 2016*

- Contributed to a publication regarding Moving Target Defense.
- Moving Target Defense: The automation of deployment, deconstruction, reconfiguration, and migration while maintaining high availability to increase randomness and mitigate persistent attacks on nodes.
- Created and configured web applications for automated deployment using **Puppet**.
- Benchmarked web applications for analytical data with **HTTPERF** to ensure high availability and reliability while migration occurs.
- Created and tested the effectiveness of identical web applications in two different languages, using **Flask** and **Laravel**, with Moving Target Defense.
- Created monitoring server to monitor lab infrastructure with **Nagios** to monitor uptime of infrastructure.

Skills

Programming	Python, Dart, Go, C#, C, YAML, LaTeX, HTML/CSS, Java, PHP, JavaScript
Tools	Ansible, Terraform, Packer, ESXi, OpenStack, Wireshark, Metasploit, Puppet
Languages	English, Arabic
Security Skills	Buffer Overflow, Network Analysis, Code Auditing, SQL Injection, Reverse Engineering Binaries, Network Forensics
Operating Systems	Linux (ArchLinux, Ubuntu, Debian, Kali, Cumulus), Windows Server
Frameworks & Engines	Flask, Django, Flutter, Vuejs, Laravel, Prism, .NET Core, Unreal Engine, Unity
Notable Courses	Introduction to Applied Cryptography, Cyber Defense Basics, 3 Independent Study Courses (Security Engineering)

Education

Kansas State University   *Manhattan, KS*
Bachelor of Science in Computer Science   *May 2018*

- Scholarship from Ministry of Higher Education in Kuwait

Red Team Tactics for Red and Blue Workshop   *South Dakota*
TrustedSec, LLC   *March 2018*

- Various techniques and tools for Red Team

Extracurricular Activity

Cyber Defense Club
Core Member   *Fall 2014 - May 2018*

- Managed and Maintained cluster of servers in CDC infrastructure
    Deployed and Maintained ESXi and Openstack for virtual hacking environment
    Deployed and Maintained OpenVPN tunneling for students to access environment
    Maintained Active Directory on Windows for club to have centralized authentication and ease of access between rest of infrastructure
    Configured and Managed L2/L3 Enterprise Switch using Cumulus OS and maintained Firewall and Routing
- Competed in Iowa State's National Cyber Defense Competition 2015
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- Competed in Boston Key Party 2016
- Competed in SSCTF 2016
- Competed in CSAW CTF 2015