MOIZ HUSSAIN

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EDUCATION

University of Colorado at Boulder, College of Engineering and Applied Science, Boulder, CO   May 2016
Master of Science, Telecommunications
Coursework included Telecommunication systems Lab, Network Management, Unix Administration, VoIP and IP routing

National Institute of Technology Warangal, Andhra Pradesh, India   August 2014
Bachelor's in technology, Electronics and Communication Engineering

WORK EXPERIENCE

MICROSOFT CORPORATION, REDMOND, WA   June 2016 – Present
Full-time, Software Engineer

- Eliminated ~1500 man-hours/year by implementing **Azure Resource Manager template** solution to create and build out Azure VMs across Commerce Services & Compliance (CSC)
    - Designed ARM templates and PowerShell DSC scripts to deploy IaaS VMs into Azure Subscriptions and onboard to appropriate service line by dynamically associating the designated Active directory OU and Asset properties
    - Added customizations including .NET 3.5 Framework installation, Xpert Monitoring Agent Installation and hosted the solution in VSO and Github for easy adoption
- Led the onboarding of Just-In Time (JIT) access across 100% of the CSC users and computers
- Contributed to **Zero Persistent Admins initiative and reduced the manual effort by 95%** through a **PowerShell module** that performs the invalid user/group cleanup
    - Implemented additional JIT monitoring automation on top of PowerShell module that automatically pulls the list of VMs for the service line, gets the list of admins on the VMs, intelligently categorizes the users and cleans up the invalid users before generating a report
- Responsible for supporting and maintaining systems across Microsoft Business Solution (MBS) that generate ~$2.5 billion annual revenue
- Owned monitoring, troubleshooting, managing incidents (ICM) for MBS mission critical applications to meet the performance, resiliency, reliability and availability KPIs
- **Achieved 50% minimization in Certificate Renewal** effort by automating certificate deployments and config changes
- Eliminated dependency on third-party monitoring solutions by **enabling the retirement of Keynote Web Monitoring tool and onboarding web alerts to Azure Application Insights**
- **Improved SQL failover time across Data centers from 25 mins to 5 mins** by implementing Multi-subnet failover
- Drove quarterly Business Continuity and Disaster Recovery (BCDR) activities and ensured successful quarter end close on Secondary Data center
- **Collaborated with the Engineering team as SRE** to reduce manual toil by re-designing SQL custom monitoring and delivering bug fixes
- Enhanced security compliance by migrating service accounts to Azure Key Vault and enforcing asset scan for security patching through an Active Directory GPO

POLYCOM INC., WESTMINSTER, CO   July 2015 – Sept 2015
Intern, Solutions Architect

- Explored the use of cloud services to analyze and troubleshoot Polycom call logs and maintain virtual environments
- **Hosted Elastic search on CentOS**, authored python and bash scripts using reg-ex in Logstash to parse call log files
    - Fed the parsed stream to Kibana displaying data visually in graphs and charts

SKILLS

Languages/Framework: C#, .NET, MVC, Python, PowerShell, T-SQL, Bash
Protocols: TCP, UDP, IPv4, IPv6, DHCP, ARP, DNS, RIP, OSPF, BGP, IPSec, VPN
Applications/Tools: Visual Studio, Fiddler, Git, Wireshark, SSMS, PSTools, ELK Stack (Elasticsearch)

CERTIFICATIONS

SSCA (SIP School Certified Associate), The SIP School   Dec 2015
IPv6 Forum CNE6 Silver Certification, Nephos6   Dec 2015