JAHANZEB ALI

jzali1997@gmail.com | +966 53 928 2919

PROFESSIONAL SUMMARY

Network & Security Engineer with 4+ years of experience in designing, implementing, and managing secure network infrastructures. Proficient in routing, switching, firewall administration, cloud services integration, and network automation

SKILLS

Networking: Routing, Switching
Automation & Scripting: PowerShell, Python, Bash, Ansible
Cloud: AWS (VPC, EC2, Direct Connect), Azure
IT Infrastructure: Active Directory, DNS/DHCP, IIS, VMware, Hyper-V, Windows Server
Security: Fortinet Firewalls, IPS/IDS, Zone-Based Firewalls, SSL, VPN (IPSec, L2L), URL Filtering
Tools: Wireshark, Putty, NetFlow Analyzer, Exchange Admin Center

EXPERIENCE

Gexton Software Pvt. Ltd   *Jan 2022 – Jan 2025*
IT Infrastructure & Exchange Engineer
- Designed and maintained Microsoft Exchange 2019 servers, managing email flow, hybrid configurations, and system health for 600+ users.
- Automated Exchange administration and reporting with PowerShell scripts, reducing manual work by over 40%.
- Managed encryption gateways, SMTP relays (Cisco-based), and ensured secure transmission and archiving of emails.
- Ensured service continuity by monitoring Exchange system performance, logs, and data quality metrics.
- Contributed to service lifecycle processes, assisting with onboarding, documentation, and service improvement plans.
- Enforced IT compliance across email infrastructure; implemented group policies and audit logs for Exchange security.

Sapphire Consulting Pvt. Ltd   *Jan 2021 – Dec 2021*
Technical Support Specialist
- Provided support for Microsoft Exchange, DNS/DHCP, and GPOs; handled user onboarding and mailbox administration.
- Assisted in troubleshooting and maintaining infrastructure components including Windows Server, IIS, and FTP.
- Improved service response and documented operational procedures, reducing escalated incidents by 30%.

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA)
- Microsoft IT Support Specialist (Coursera)

EDUCATION

University of Sindh   *Jan 2016 – Feb 2020*
Bachelor's in Information Technology   *Sindh, Pakistan*

PROJECTS

Secure File Encryption & Digital Signature System | Anaconda tool, Python, ML and AI
Jan 2019 – Feb 2020

- **Github Link** Cryptography Project
- **Technologies:** Python, AES-256, RSA-2048, ECDSA, SHA-256, X.509 Certificates
- **Implemented:** AES-256 encryption (CFB Mode) for secure file encryption
- **Designed:** RSA-based key exchange mechanism for secure AES key transmission
- **Integrated:** ECDSA digital signatures to ensure data integrity & authenticity
- **Developed:** SHA-256 hashing to verify file integrity against tampering
- **Implemented:** X.509 certificates for authentication of public keys

Human Activity Recognition | Anaconda tool, Python, ML and AI *Jul 2018 – Dec 2018*

- Our aims to perform research on recognizing different indoor human activities from videos through computer vision.
- To discover new hybrid models for HAR, we will review existing HAR approaches from past research papers.
- We could figure out a more efficient hybrid model with good accuracy in performance and results compared to previously found approaches and models.
- After reviewing different papers, we created a hybrid model algorithm, InceptionV3, with CNN layers. This algorithm achieved a training accuracy of 0.99 and a validation accuracy 0.98.

Parallel Cryptography Encryption | C language, Dev C++ *Jan 2018 – May 2018*

- 4 Encryption Algorithms (Caesar Cipher, Keyword Cipher, Columnar Transposition Cipher, Affine Cipher).
- To encrypt the text in parallel and also decrypt in parallel as well. This was an idea for confidential documents.

ATM Cash Predictor | Anaconda tool, Python, ML and AI *July 2017 – Dec 2017*

- Three different algorithms of machine learning (linear regression, XGB Boost).
- ATM datasets were trained to get the prediction of how much extra cash should be deposited in ATM in a particular area.

Secure File Encryption & Digital Signature System *Jan 2019 – Feb 2020*

- Developed a secure file encryption solution using Python, AES-256, RSA-2048, and ECDSA.
- Implemented digital signatures and hashing for file integrity (SHA-256), and used X.509 certificates for secure identity verification.
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OTHERS

- **LinkedIn:** linkedin.com/in/jahanzebali-network/

- **Iqama Status:** Transferable

- **Location:** Riyadh, Kingdom of Saudi Arabia

- **Notice Period:** Immediately