



Mohamed Ayman Ahmed

Cloud solution architect

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Education

**Sadat academy** 2019-2023  
*Bachelor of Computer Science* Egypt, Cairo

Relevant Coursework

- azure fundamentals az-900
- CCNA 200-301
- Azure administrator az-104
- CCNP
- Aws cloud practitioner
- Azure solution architect az-305
- EJPTv1

Experience

**Compuroots company** Jul 2023 – Aug 2023  
*Network administrator Intern* Egypt, Cairo

- Assist in the installation, configuration, and maintenance of network hardware and software components, including routers, switches, firewalls, and servers.
- Monitor network performance and security, identifying and resolving potential issues to ensure optimal performance.
- Help maintain and update network documentation, including diagrams, configurations, and standard operating procedures.
- Support the implementation of network upgrades and expansions.
- Assist in troubleshooting network connectivity issues and provide technical support to end-users.

**Compuroots company** Oct 2023– Feb 2024  
*Network security engineer* Egypt, Cairo

- Monitor network traffic for unusual activity and potential security breaches, responding to and mitigating incidents as necessary.
- Support the implementation and enforcement of security policies, procedures, and best practices.
- Conduct vulnerability assessments and penetration tests to identify and address security weaknesses.
- Help maintain and update security documentation, including incident response plans, network diagrams, and security configurations.
- Collaborate with the IT team to ensure network security compliance with industry standards and regulations.
- Participate in security awareness training and educational initiatives for employees.

**CLOUD K. company [remote]** Apr 2024 – Jul 2024  
*Senior Cloud architect* Canada, CL

- Led the design, implementation, and management of a complex Azure cloud infrastructure supporting 700 users and applications.
- Developed and executed cloud migration strategies for critical workloads, resulting in cost reduction and performance improvement.
- Architected and implemented highly available and scalable Azure solutions, including [list of Azure services, e.g., Virtual Machines, Azure SQL Database, Azure Storage, Azure App Service].
- Collaborated with cross-functional teams to define cloud adoption roadmap and governance framework.
- Ensured adherence to security best practices and compliance standards (e.g., ISO, SOC, GDPR).

- Provided technical leadership and mentorship to cloud engineering team.
- Managed cloud budget and optimized resource utilization.

## Projects

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### **Hub and spoke network topology in the cloud** / *Python, terraform, azure portal*

- Designed and implemented a hub and spoke network topology in Azure.
- Utilized Terraform for infrastructure as code automation.
- Configured virtual networks, subnets, and network security groups.
- Established secure and reliable inter-network connectivity.
- Optimized network performance and scalability.

### **Implementing security cloud majors for an outsider client** / *GitHub, terraform, azure portal*

- Implemented cost-saving strategies within an Azure environment.
- Conducted cost analysis and identified optimization opportunities.
- Rightsized virtual machines based on workload requirements.
- Utilized reserved instances and spot instances effectively.
- Optimized storage solutions (e.g., blob storage tiers, archive storage).
- Implemented cost allocation and tagging for better cost visibility.
- Developed cost monitoring and reporting dashboards.
- Achieved [percentage] cost reduction through optimization efforts.

### **Create Cost Optimization solution in Azure** / *azure portal, amazon web services*

- Implemented cost-saving strategies within an Azure environment.
- Conducted cost analysis and identified optimization opportunities.
- Rightsized virtual machines based on workload requirements.
- Utilized reserved instances and spot instances effectively.
- Optimized storage solutions (e.g., blob storage tiers, archive storage).
- Implemented cost allocation and tagging for better cost visibility.
- Developed cost monitoring and reporting dashboards.
- Achieved [percentage] cost reduction through optimization efforts.

## Technical Skills

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**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL

**Developer Tools:** terraform, azure cloud shell, azure CLI, azure PowerShell, VS code

**Technologies/Frameworks:** Linux, GitHub, Git, amazon web services, docker, Kubernetes

## Leadership / Extracurricular

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### **HULT PRIZE**

#### *Student Government Events*

- . Planned and coordinated various events.
- Managed event budgets and resources.
- Promoted events to the student body.
- Worked with student groups to create collaborative events.

**Spring 2020**

*Sadat academy*