Mignesh Rajesh Birdi

(437) 673-7099 | migneshbirdi@gmail.com | North York, Toronto

Work Experience

Work Project – Deployed ecommerce website on AWS   Jan 2025-April 2025
- Designed and deployed a scalable e-commerce website hosted on AWS, using EC2 for web servers, RDS (PostgreSQL) for the backend database, and Route 53 for domain management.
- Implemented real-time inventory management using AWS Lambda, SQS/SNS, and Event Bridge to ensure responsive order handling and stock updates.
- Configured a custom domain with SSL/TLS encryption using ACM, and secured web traffic through WAF and Application Load Balancers.
- Developed the web application using Flask/Django (Python) with dynamic product listings, shopping cart, and user authentication features.
- Utilized Amazon Aurora (PostgreSQL-compatible) with cross-region replication to ensure high availability.
- Enhanced application security and monitoring using AWS WAF for web application protection, AWS X-Ray for request tracing and performance insights, and AWS CloudTrail for governance, compliance, and activity auditing.

IT Support | Adroit Legion Advertising Pvt Ltd   April 2021-May 2022
- Provided technical assistance for in-house IT systems, supporting employees with software installations, troubleshooting, and hardware configurations, user access, identity, and permissions in Microsoft 365
- Managed user accounts, permissions, and email configurations, ensuring secure access to company systems
- Delivered Level 1 & Level 2 IT support, assisting employees with Windows OS, Office 365, and network connectivity issues
- Assisted in configuring and securing network environments, including VPC setups, firewall management, and endpoint security policies
- Configured anti-malware, anti-phishing, and data loss prevention (DLP) policies in Microsoft 365 Defender, enhancing cybersecurity posture and reducing threats.

Projects

- Implementing and Managing Microsoft 365 Environment for a Mid-Sized Organization
- Windows Server and Windows client infrastructure: Install a domain & DHCP server, Configure Group Policy, Create 4 scopes/ Super scope, storage pool, Install Hyper-V Role, Enforce WDS
- Creating and configuring failover clusters: Provide high availability for network services and applications.
- Creating a Dynamic Website for the Café on AWS, Creating a VPC Networking Environment, Scalable and Highly Availability.
- Securing and Monitoring Resources with AWS: Securing data in Amazon S3, Securing VPCs, Create a network firewall
- Configure Authentication for an Azure Web App, Virtual Network Connectivity by Using Peering, Application Security Group.
- Implement Web Apps, Virtual Networking, Inter site Connectivity, Traffic Management, Implement Azure Container Instances, Monitoring and Virtual Machine Backups, Network Security Group in a network environment.
- Using Microsoft 365 Defender, Data governance, Manage compliance, security services, MFA, DLP policies, anti-malware/phishing policies, permissions in cloud applications, all activity alerts of users to admin.
- Implement Azure Load Balancer, Create an Azure Function and Logic App, Azure Role Based Access Control

Technical Skills

- **Cloud**: EC2, VPC, S3, IAM, Security Groups, WAF, ALB, ASG, Cloud9, CloudFormation, CloudWatch, Route 53, NACL, ACM.
- **MS365**: Identity and Services & Enterprise Administration: Admin Center, Exchange Admin, security and compliance, Defender, Azure Administrator, Azure Security, Azure AD, Resource Manager (ARM), RBAC, NSGs, Virtual Network, Azure Monitor.
- **Database**: RDBMS (PostgreSQL), NOSQL (Mongo DB), S3.
- **Programming**: Python (Object Oriented, Functional Programming) Pandas and NumPy, Matplotlib, Seaborn, and Plotly, Cloud9.
- **Business Intelligence**: Tableau, Power BI, Quick-sight, Advance Excel, Amazon QuickSight.

Education

George Brown College of Technologies – Cloud Computing   May 2024 - Apr 2025
- (Specializations: AWS & Microsoft 365/Azure) Relevant Courses: DOS, Azure 1&2: Administration & Architect, Azure security, AWS 1&2: Cloud practitioner & Solutions and AWS Security

Conestoga Institute of Technology - Business Analytics   May 2023- Dec 2023
- (Specializations: PostgreSQL & Advance Excel) Relevant Courses: Project Management (IT), Diagnostic Analysis, Power BI, Data normalization by python.