MAIRAZUL HASAN KHAN

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PROFESSIONAL SUMMARY

Cloud Engineer with 4+ years of experience in technical support and system administration, now focused on AWS Cloud and DevOps. Proficient in Linux/Windows environments with strong troubleshooting skills and a solid foundation in cloud computing. Passionate about building scalable, secure, and highly available cloud-native solutions using modern DevOps practices.

EDUCATION

Bharati Vidyapeeth's Institute of Management & Information Technology   Navi-Mumbai
Bachelor of Computer Application, CGPA: 7.12   Jun 2015 – Apr 2018

WORK EXPERIENCE

Nullclass EdTech Pvt Ltd   Remote
Cloud Intern   May 2025 – Present

- Deployed **scalable EC2 instances** within a custom **VPC** using public and private subnets for enhanced network segmentation
- Established **Secured EC2 access** via **Bastion Host** and **strict security groups**, reducing **unauthorized attempts by 90%** within the **VPC**
- Automated **S3 static website deployment** using **GitHub Actions,** integrated with **CloudFront** for optimized content delivery**, improving efficiency by 65%**
- **Securely managed** IAM roles and secrets **to ensure controlled access to AWS resources**

Jay Enterprise Pvt Ltd   Mumbai
Assistant IT Support Engineer   Jul 2021 – Apr 2022

- **Provide technical support** to end-users, resolving **hardware, software, and network issues** across Windows and Linux
- **Installed and configured OS** including Windows, Ubuntu, and CentOS, for **optimized performance**
- **Performed efficient remote troubleshooting** using tools like **Any Desk, TeamViewer, and RDP** to resolve client-side technical issues
- **Installed, configured, and maintained Printers** (local/network) resolving **driver, connectivity, and queue-related issues**
- **Managed Active Directory,** handling **user accounts, groups,** ensuring compliance with **organizational policies and structure**

Ideal Delight Services Pvt Ltd   Mumbai
Desktop Support Engineer   Jan 2019 – Jun 2021

- **Installed, configured, and troubleshot** issues related to **hardware, software, LAN, and peripherals**
- Provided **Outlook configuration and support** for **Outlook 2016, 2019, and 2021**
- **Assisted new employees** in setting up and configuring their **workstations**
- **Maintained and updated inventory records** for **desktops, laptops, hardware, and software**
- **Led a team of 4 engineers,** achieving **100% success rate** in resolving **network and OS issues via ticketing system software**

TECHNICAL SKILLS

Infrastructure & Cloud	AWS (IAM, EC2, VPC, S3, ALB, Autoscaling, CloudFront, RDS), GCP, Terraform
Containerization & Orchestration	Docker (Basic), Kubernetes (Basic)
CI/CD & Automation	Jenkins, GitHub Actions, AWS CodePipeline
Security & Compliance	AWS Security Group management, IAM Policies, KMS, etc.
Monitoring & Observability	CloudWatch, Prometheus, Grafana
Version Control	Git, GitHub, GitLab
Operating Systems	Linux (Ubuntu, RHEL) Windows

PROJECTS

AWS CodePipeline-Driven Deployment for Node.js Application on ECS
🔗 GitHub Repository
- **Implemented** a CI/CD pipeline using **AWS CodePipeline**, reducing manual deployment steps by **90%**
- **Achieved zero-downtime deployments** through **blue-green deployment strategy**
- **Automated testing coverage verification**, maintaining a minimum **of 85% code coverage** across builds
- **Reduced deployment failures by 60%** through **comprehensive pre-deployment validation checks**

Continuous Deployment & Infrastructure Automation for Online Shop using GitHub Actions
🔗 GitHub Repository
- Automated the deployment process of an e-commerce web application via **GitHub Actions**, reducing release cycle time by **50%**
- Implemented **infrastructure as code** with **Terraform**, enabling consistent environment provisioning in under **30 minutes**
- Configured comprehensive **notification system** that improved team response time to deployment issues by **75%**
- Established a **robust and repeatable deployment** process that minimized downtime and improved overall system reliability by **80%**

AWS Cost Optimization Using Lambda Automation
🔗 GitHub Repository
- Designed and implemented a **serverless automation system** to optimize AWS costs by managing EC2 usage patterns
- Utilized **AWS Lambda**, **CloudWatch Events**, and **Boto3** to automatically stop idle EC2 instances outside business hours
- Achieved **30% reduction** in monthly AWS billing by minimizing unnecessary compute usage
- Implemented **IAM roles and policies** to enforce secure, least-privilege access for Lambda functions
- Integrated **SNS notifications** to alert administrators upon execution of cost-saving actions
- Enabled robust **monitoring and logging** via CloudWatch Logs for auditing and troubleshooting