Vaibhav Agarwal

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Result-oriented professional with a strong foundation in cloud computing fundamentals and a passion for designing and implementing scalable, secure cloud solutions. Possess hands-on experience with AWS services and a good understanding of cloud architecture, infrastructure as code and database management. Eager to leverage technical skills to contribute to innovative cloud projects.

WORK EXPERIENCE

AWS re/Start Program

Tech Mahindra Foundation • (Jun 2024 – Sept 2024)

- Successfully completed the 12-week AWS Restart Program, gaining a thorough understanding of cloud computing fundamentals and AWS services. Developed hands-on experience with key AWS technologies, including IAM, VPC, EC2, S3, RDS, Route 53 and Lambda.
- Built fundamental skills in IT, including working knowledge of Linux OS, Cloud architecture design and implementation
- Infrastructure as Code (IaC) with tools like AWS CloudFormation
- Database migration and management
- Basic Python programming
- Linux system administration

Manager

Health View • (Dec 2020 – Present)

- Led a team of 10+ members, managing content for print and digital platforms, increasing engagement by 25%.
- Acquired and retained 50+ key clients, driving a 15% increase in revenue.
- Executed multi-platform marketing strategies, boosting website traffic by 30%.
- Improved financial processes, reducing payment discrepancies by 20%.
- Successfully managed budgets up to ₹5 lakh, optimizing overall cost

Assistant Manager

Super Hero Motors • (Jun 2019 – Jul 2020)

- Enhanced service operations efficiency, reducing repair turnaround time by 30%.
- Improved inventory management, decreasing stockouts by 20%.
- Increased customer satisfaction by 18% through process improvements and proactive service.
- Supervised a team of 15+ technicians, ensuring adherence to safety and quality protocols.

PROJECTS

AWS Capstone Project

AWS Three-Tier Architecture Project

This project demonstrates a three-tier architecture on AWS, designed to ensure high availability, scalability, and reliability.

The architecture consists of the following tiers:

1. **Web Tier**: Handles client requests and serves the front-end website.
2. **Application Tier**: Manages business logic and processes API requests.
3. **Database Tier**: Manages data storage and retrieval.

Key Achievements:

- Implemented cost-saving measures through optimized resource allocation and usage
- Enhanced system performance by leveraging AWS best practices for scalability and reliability
- Streamlined operations with automated deployments and infrastructure management
- Eager to apply these skills to develop and optimize cloud-based solutions and contribute to innovative projects that drive business success.

Static Website Hosting on AWS Using S3 and CloudFront

Designed and deployed a static website hosting solution on AWS S3, utilizing Amazon CloudFront for content delivery.

This project demonstrated effective use of AWS services to create a scalable, high-performance, and secure static website hosting solution.

Key Achievements:

- **S3 Buckets**: Hosted the static website content.
- **CloudFront**: Configured to distribute content globally, improving website speed and reliability.
- **Route 53**: Set up for custom domain management and DNS routing.
- **AWS Certificate Manager**: Used for SSL/TLS certificate management to secure the website.

CORE COMPETENCIES

Cloud Computing
- **Infrastructure:** VPC, EC2, S3, Lambda, RDS, IAM, Route 53, ELB, Elastic Beanstalk , Auto Scaling, ECS, EKS
- **Management:** Cloud Formation, Systems Manager, Code Pipeline, Cloud Watch, Cloud Trail, AWS Config
- **Security:** IAM, KMS, AWS Backup
- **Data:** Cloud Front, DMS, Snowball
- **Optimization:** Cost Explorer, AWS Budgets

Technical Skills
- **Development:** Nginx, Apache, Python
- **Databases:** RDS, DynamoDB, Aurora, MySQL
- **Operating Systems:** Linux, Windows
- **Other:** SSL/TLS, Custom Domains

Soft Skills
- Team Leadership
- Client Management
- Marketing
- Financial Management
- Process Improvement

EDUCATION

Bachelor of Technology in Mechanical Engineering • (Jun 2015 – Jun 2019)

The LNM Institute of Information Technology

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- AWS re/Start
- Python Programming
- Microsoft Office (Excel, Word, Power Point)