

Uwais Mansuri

Manchester, CT | uwais22@gmail.com | (201)744 3636 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

PROFILE

AWS Cloud Engineer with proven expertise in architecting, automating, and optimizing cloud infrastructures, achieving 99.99% uptime and reducing operational costs by 20%. Skilled in designing secure, scalable AWS solutions using services like EC2, Lambda, S3, and CloudFormation. Proficient in Infrastructure as Code (IaC) with Terraform, and experienced in implementing secure, compliant environments with IAM and encryption protocols. Adept at performance monitoring, cost optimization, and cross-functional collaboration to deliver high-performance solutions.

EDUCATION

Saint Peters University, Jersey City, NJ
M.S., Data Science – Nov 2021

Indus Institute of Technology, Gujarat, India
Bachelor of Technology, Computer Engineering – May 2018

WORK EXPERIENCE

Tata Consultancy Services (TCS), **Client:** Cigna Healthcare
Cloud Platform and Reliability Engineer,
Bloomfield, CT – Jan 2023 - Present

- Designed and maintained high-availability cloud infrastructure using AWS services (EC2, Lambda, VPC, OpenSearch), achieving 99% uptime for critical healthcare applications.
- Supported data replication workflows with Qlik to replicate data and capture incremental changes in SQL change logs, exporting JSON outputs to S3 for analytics.
- Utilized AWS Kinesis for real-time data streaming, ensuring low-latency ingestion and processing of critical healthcare event data.
- Deployed proactive monitoring with CloudWatch alarms (Lambda errors, throttles, SQS delays, EC2 availability), integrating with SNS for notifications to Webex, Splunk, and ServiceNow via ARN subscriptions significantly improving incident management, achieving 98% SLA adherence.
- Contributed to managing data workflows for a portfolio management app, leveraging AWS Glue Crawler for schema discovery in OLAP processes and RDS for OLTP transactions, ensuring efficient data processing and consistency.
- Led cross-functional teams to deploy and monitor Kubernetes clusters on AWS EKS, utilizing Lens tool for real-time workload monitoring and bouncing pods during production releases, improving application stability and streamlining deployment processes.
- Strengthened cloud security by configuring VPCs, subnets, and load balancers, ensuring adherence to healthcare compliance standards.
- Established synthetic monitoring with Dynatrace to track endpoint availability, enabling early detection of performance issues and ensuring reliable system operations during critical workloads.
- Facilitated cross-functional collaboration to troubleshoot and resolve complex production issues, streamlining workflows and reducing downtime, which improved operational efficiency by 20%.

Python API Developer (AWS), Tata Consultancy Services (TCS), **Client:** Cigna Healthcare
Bloomfield, CT – Feb 2022 - Dec 2022

- Developed Python APIs, enabling seamless integration with AWS Lambda and ensuring end-to-end data integrity.
- Automated data pipelines through AWS Lambda, improving processing speeds and reducing manual effort by 25%.
- Implemented OAuth 2.0 authentication using Okta with a Lambda Authorizer to validate global groups during API calls, ensuring secure access control and compliance for seamless app-to-API communication.
- Enhanced API reliability through extensive testing and debugging, reducing latency and ensuring smooth data flow.
- Optimized integration workflows using AWS services such as SQS, Lambda, S3, and DynamoDB, enhancing system reliability, reducing operational errors by 25%, and improving data flow efficiency across critical applications.

Data Science Intern, Kmart Australia Limited
Jersey City, NJ – Sep 2020 - May 2021

- Built a sentiment analysis model using logistic regression and neural networks, leveraging Python libraries such as Pandas and NumPy to preprocess and analyze data, driving a 15% improvement in customer satisfaction.
- Engineered sentiment analysis models based on customer feedback, leveraging advanced NLP techniques with tools like Scikit-learn and TensorFlow to classify sentiments accurately, delivering actionable insights that improved customer satisfaction and operational efficiency.
- Processed and analyzed large datasets using advanced Python techniques and machine learning models, delivering actionable insights that optimized workflows and improved efficiency by 10%.

SKILLS

Certifications: AWS Certified Cloud Practitioner (CLF-C01), AWS Certified Developer (DVA-C01), Microsoft Azure fundamentals (AZ-900)

Monitoring Tools: AWS CloudWatch, Dynatrace, Splunk, Lens, Postman

DevOps & Automation: CI/CD Pipelines, Jenkins, Docker, Terraform, Git, Infrastructure as Code (IaC)

Programming & Data Management: Python, SQL, Qlik, Big Data Analytics, DynamoDB, ETL/ELT Processes

Cloud Networking & Security: VPC, Subnets, Load Balancers, Route 53, IAM, Security Groups

Soft Skills: Stakeholder Management, Collaboration, Problem Solving, Agile Methodologies (SCRUM, Jira)