

# ATUL

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## Professional Summary

AWS-certified Cloud Engineer with expertise in designing, deploying, and managing scalable cloud-native solutions. Proficient in **AWS services (Lambda, API Gateway, ECS, EKS, DynamoDB, S3, Redshift, Glue, EMR)**, CI/CD pipelines, Infrastructure as Code (IaC), and cloud security best practices. Strong programming skills in **Java, Python**, and hands-on experience with **Docker, Kubernetes, Terraform, AWS CloudFormation, and observability tools** like AWS CloudWatch.

## Skills & Technical Proficiency

- **Cloud & Infrastructure**
  - AWS: Lambda, API Gateway, ECS, EKS, DynamoDB, S3, RDS, Glue, Redshift, EMR, IAM, KMS, VPC, Route 53, CloudFront.
  - Serverless & Containerization: AWS Lambda, Docker, Kubernetes, ECR, ECS.
  - CI/CD & DevOps: AWS CodePipeline, CodeBuild, CodeDeploy, Terraform, CloudFormation, GitHub Actions.
  - Security & Monitoring: IAM, KMS, AWS CloudTrail, AWS CloudWatch, ELK Stack.
  - Observability & Logging: AWS X-Ray, CloudWatch Logs.
  - Microsoft & Power App: Microsoft 365 office, Copilot, Power BI
- **Programming & Development**
  - Languages: Python, Java, SQL, Node.js
  - Database Management: DynamoDB, Redshift, RDS, MySQL, Snowflake, Toad, SQL Developer
  - API Development: RESTful APIs, Postman, API Testing
  - Frontend Technologies: HTML, CSS, JavaScript (Basic)
- **Methodologies & Best Practices**
  - Agile, Scrum, GitOps, DevSecOps, Infrastructure as Code (IaC)
- **Artificial Intelligence**
  - ChatGpt, Copilot, BlackBox.ai
- **Software Support (Web, Andriod (.apk), iOS)**

## Professional Experience

- **Total Experience: 2 years 5 months**
- **Ace Infotexis Pvt. Ltd. | Software Application Support L1 at IRCTC | Feb 2025 – Present**
  - Providing Level 1 (L1) support for Java-based applications, helping troubleshoot and resolve technical issues reported by users to ensure smooth and uninterrupted service.
  - Conducting testing across multiple platforms, including Web, Android, and iOS, to ensure the applications work efficiently, are user-friendly, and meet all functional requirements.
  - Assisting with API integration testing, ensuring seamless communication between different services and ensuring data accuracy across systems.
  - Logging and tracking issues, collaborating with the development team to prioritize and resolve bugs, and making sure the root causes are identified and addressed.
  - Offering clear communication with users, providing timely updates on reported issues, and escalating more complex problems to higher-level support when needed.
  - Maintaining a knowledge base of common issues and solutions, helping improve the efficiency of troubleshooting for both users and the support team.
  - Working closely with developers and other teams to ensure all application issues are resolved in a timely manner and contributing feedback to improve the overall user experience.
  - Suggest new features and improvements to existing functionalities to enhance application performance and user satisfaction.
- **Cognizant | Programmer Analyst | AWS, Java, SQL, Docker | Aug 2022 – Oct 2024**
  - Designed, deployed, and optimized AWS-based applications using EC2, S3, Lambda, RDS, DynamoDB, API Gateway.
  - Automated infrastructure provisioning using AWS CloudFormation & Terraform.
  - Built CI/CD pipelines with AWS CodePipeline, CodeBuild, CodeDeploy, and GitHub.

- Implemented AWS security best practices with IAM, VPC, encryption (KMS), and access control policies.
- Managed serverless applications and event-driven architectures using AWS Lambda, SNS, and SQS.
- Monitored and optimized cloud performance using AWS CloudWatch, ELK Stack, Grafana.
- Deployed Kubernetes clusters for containerized applications using EKS, Docker Swarm.
- Developed APIs and backend services using Java, Node.js, SQL.

## Projects & Achievements

- **Serverless Web App on AWS**
  - Built a scalable, serverless web application using Lambda, API Gateway, S3, DynamoDB, CloudFront, IAM.
  - Reduced infrastructure costs by 40% through serverless deployment.
- **Customer Data Ingestion & Extraction – Amazon Redshift**
  - Designed a data warehousing solution with Amazon Redshift, S3, AWS VPC for secure data transfer.
  - Achieved 5x faster query performance for customer analytics.
- **Sales Data Analysis with Amazon QuickSight**
  - Developed interactive dashboards using Amazon QuickSight for data-driven decision-making.
- **Smart Chatbot – SRM Convoy (IBM Cloud)**
  - Created a chatbot using IBM Watson for university admissions, reducing response time by 60%.
- **Monitoring Novel Coronavirus (IEEE Research)**
  - Published an IEEE Xplore research paper on COVID-19 predictions with 94% accuracy.

## Certifications

- AWS Certified Solutions Architect – Associate
- Microsoft Certified: Azure Fundamentals
- IBM Watson AI & Cloud Certifications
- AI for everyone
- The Complete jQuery Course: From Beginner to Advanced
- The Bootstrap 4 Bootcamp
- PL/SQL by Example – Beginner to Advanced PL/SQL
- Bash Scripting and Shell Programming (Linux Command Line)
- Cybersecurity IT Fundamentals Specialization
- OWASP Top 10
- Using GitHub Copilot with Python
- GitHub Copilot: Use AI to write code

## Education

- Bachelor of Technology (B.Tech) – Computer Science & Engineering (Cloud Computing & Mobile Applications Specialised with IBM)  
SRM University, Delhi-NCR | 2018 – 2022 | CGPA: 7.7/10
- Micro Credit Program – Cyber Security (in association with Acciojob)  
IIT Guwahati | Feb 2025 – Present