

HARIOM JOSHI

Cloud & Backend Engineer | 3 Years Experience | AWS | CloudFormation | Java | Spring Boot

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Technical Skills

Cloud & Infrastructure: AWS (EC2, ECS Fargate, Lambda, S3, IAM, KMS, VPC, ELB, EFS, Secrets Manager, Step Functions, CloudWatch, Storage Gateway, Glue), CloudFormation, AWS DMS

Databases: Amazon Aurora (RDS), PostgreSQL, MySQL, Amazon Redshift

Languages: Java 17, Python, SQL, Shell

Backend: Spring Boot, REST APIs, Microservices, Maven

DevOps & Tooling: GitHub Actions, Bamboo, Docker, JFrog Artifactory, Git, Splunk, Control-M, ServiceNow

Practices: Infrastructure as Code, Cloud Migration & Modernisation, IAM Least Privilege, LLD/HLD, Agile/Scrum

Experience

Deloitte

Jan 2024 – Present

Software Engineer

Hyderabad, India

Cloud modernisation programme for a Fortune 500 US investment management client — migrating COBOL mainframe batch workloads to Java and Python on AWS. 20-engineer engagement.

- Own **~80% of the AWS resource estate** across three environments (dev, UAT, production) — EC2, **ECS Fargate**, Lambda, S3, Aurora, Redshift, KMS, Secrets Manager, Step Functions and EFS — designing **least-privilege IAM** policies, secrets rotation via AWS Secrets Manager, and S3 lifecycle policies that reduced cloud spend.
- Reduced EC2 provisioning time from **15–20 minutes to under 2 minutes (~90%)** by profiling and removing non-essential userdata bootstrap commands, shortening every job-execution cycle in the environment.
- Authored and maintain **15–20 CloudFormation stacks** provisioning the full environment, and **30–40 GitHub Actions CI/CD pipelines** publishing build artifacts to JFrog Artifactory.
- Migrated **5–6 COBOL mainframe modules to Java 17 / Spring Boot** services on ECS Fargate and Python on AWS Lambda, supporting batch jobs that process **200,000–500,000 customer records** per peak run.
- Built an **AWS Storage Gateway** file share end-to-end for controlled external access to S3 objects — coordinating ServiceNow change requests, Active Directory group provisioning, SailPoint role design and network configuration.

Crystaltech Services Pvt. Ltd.

Jan 2023 – Mar 2023

Web Developer Intern

Remote

- Built a **Chrome extension** with **React.js** and **Node.js** to automate candidate monitoring, eliminating manual proctoring effort.
- Developed robust **cloud interaction APIs** for real-time screen capture and secure storage, ensuring data integrity and accessibility.

Projects

Infant Emotion Detection | Python, CNN, REST APIs

Jan 2023 – May 2023

- Real-time emotion detection over audio and image input using a **CNN**, reaching **97% classification accuracy** in classifying audio and image data.
- Designed and implemented efficient data pipelines for audio-visual processing to ensure low-latency analysis for real-time monitoring applications.
- Developed and integrated **RESTful APIs** to trigger external actions based on detected emotions, automating system responses.

Achievements & Certifications

- Solved **700+ DSA problems** across LeetCode, CodeChef and Codeforces; **4-star rated on CodeChef**.
- Secured **All India Rank 28** of 50,000+ participants in the PrepSAT Hackathon.
- **Certifications:** AWS Certified Cloud Practitioner; Claude Certified Developer (Foundations)

Education

S.G.S.I.T.S.

Bachelor of Technology in Information Technology (CGPA: 7.51/10.0)

Indore, MP

2019 – 2023