

SATTI BHAVYA SRI

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PROFESSIONAL SUMMARY

AWS-trained DevOps Engineer with hands-on experience in cloud infrastructure automation, CI/CD pipelines, backend API optimization, and infrastructure as code using Terraform. Skilled in building scalable, secure, and resilient AWS environments (EC2, IAM, S3, RDS), automating deployments, and improving system performance. Adept at collaborating with development teams, reducing operational overhead, and ensuring reliable cloud operations

TECHNICAL SKILLS

- **Programming Languages** – Python
- **Frameworks & Tools** – GitLab | GitHub | REST API | Bruno | Insomnia | DBeaver | CI/CD
- **Amazon Web Services** – EC2 | IAM | S3 | RDS | Lambda | CloudWatch
- **Infrastructure as Code** – Terraform
- **Database Management** – AWS RDS (MySQL/PostgreSQL)

WORK EXPERIENCE

Assistant Software Engineer

Accenture | Nov 2023 – Present | Chennai, India

- Automated provisioning of AWS resources such as **EC2, S3, IAM, and RDS** using **Terraform**, reducing manual setup time and ensuring consistent, scalable cloud environments.
- Designed reusable **Terraform modules** to standardize infrastructure components and reduce duplication across multiple environments.
- Integrated Terraform with GitLab CI/CD to enable **automated infrastructure deployments**, improving release reliability and reducing manual intervention.
- Managed Terraform state, handled drift corrections, and ensured safe rollouts using detailed **plan → apply** workflows.
- Implemented **dual authentication support** (Bearer + Basic Auth) for backend APIs, increasing flexibility for different client integrations and improving system security.
- Optimized backend authentication flows, resulting in a **30% reduction in API latency** and improved responsiveness for over **5,000 daily users**.
- Analyzed and resolved critical **CloudWatch log errors**, identified root causes in API failures, and improved overall production stability by reducing recurring error patterns.
- Created and monitored CloudWatch dashboards and alarms to track API latency, request failures, and infrastructure health.
- Performed SQL-based data validation on **AWS RDS** using DBeaver, ensuring data integrity and accurate API–database interactions.
- Assisted in diagnosing database-related issues such as slow queries, connection bottlenecks, and schema mismatches across environments.
- Ensured secure access to RDS by reviewing and maintaining **IAM roles**, security groups, and least-privilege policies.
- Streamlined CI/CD workflows using **GitLab**, ensuring automated builds, testing, and deployment pipelines with minimal failures.
- Conducted end-to-end API testing using **Bruno** and validated request/response flows across services.

EDUCATION

Bharath Institute of Higher Education and Research

CGPA-8.88/10

July 2019– June 2023

Chennai, India

Personal Projects – Automated Bulk Whatsapp Messaging Tool - [\[Project\]](#)

CERTIFICATIONS

- AZ-400 – Microsoft Azure Devops Solutions
- GH- 300 – Github Copilot