Amruthavalli Chivukula

Software Engineer at HSBC Technologies India

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LinkedIn GitHub

Certifications

- Google Cloud Certified: Associate Cloud Engineer
- Microsoft Certified: Security, Compliance and Identity Fundamentals
- ISC^2 Certified in Cybersecurity
- Microsoft Certified: Azure AI Fundamentals

About Me

Software Engineer building toward a career in platform engineering, with a focus on cloud security and AI literacy.

Experienced in enterprise software delivery within a global financial institution, with hands-on learning across cloud infrastructure, identity and access management (IAM), security, automation, and DevOps.

Interested in building secure, reliable cloud platforms that enable teams to deploy and operate workloads safely at scale, while developing the technical awareness to secure emerging AI-enabled workloads.

Technical Skills

Cloud & Infrastructure
- Google Cloud Platform (GCP)
- Microsoft Azure
- Docker
- Terraform
- Kubernetes

Security
- Identity & Access Management (IAM)
- Cloud Security
- Data Privacy
- Data Governance

Programming & Systems
- Python
- Linux
- SQL
- Git

DevOps & Engineering
- CI/CD & Jenkins
- Functional & E2E Testing
- Deployment & Release Management

Work Experience

Software Engineer | HSBC Technologies India (2025 – Present)

- Developed and modified application code within an enterprise codebase, investigating existing implementation patterns and implementing and validating changes with development teammates.
- Executed CI/CD pipelines and deployment workflows, coordinated releases, and supported production changes using Jenkins and associated enterprise tooling.
- Implemented and validated changes to internal enterprise platforms supporting data quality, governance, and operational workflows within a global financial institution.
- Analysed application behaviour against functional and business requirements, identified defects, and translated findings into detailed, actionable engineering tickets.
- Performed functional, regression, and production validation for application enhancements, reproducing issues, investigating failures, and verifying fixes throughout the delivery lifecycle.
- Worked directly with Business Analysts, developers, and DevOps engineers to clarify requirements, troubleshoot issues, coordinate releases, and drive changes through validation and business sign-off.
- Evaluated application workflows and enterprise data processes using data governance, access control, and data privacy principles.

Technical Writing

- *I Started GCP ACE to Learn Cloud. It Taught Me How to Learn.*
  Blog detailing my journey while preparing and clearing the GCP Associate Cloud Engineer exam.

- *Microsoft SC-900: How I Replaced Memorization With Reasoning and Passed in Under a Month*
  Blog detailing my journey while preparing and clearing the Microsoft Security, Compliance and Identity Fundamentals.

Education

- B.Tech. – CSE (specialized in IoT)
  GITAM University (2025)
  CGPA: 8.06/10
- 12th std. – 2021 → 93.67%
- 10th std. – 2019 → 93.17%