

Rahul Garg

~ SDE III (AI + Backend)
([LinkedIn](#))

EXPERIENCE

Tessell - SDE III

Bangalore, India Dec'22 - Current

- Tessell Product on GCP (0 -> 1)

- Built the company's **cloud-native SaaS platform from scratch** on **Google Cloud**.
- Redesigned** the **control plane**, reducing **infrastructure management overhead by 90%**
- Optimised workflows using **GCP Cloud Functions & Workflows**, cutting execution times by **40%**.
- Replaced **polling** with **web-socketing**, thus reducing network overhead and improving **system responsiveness by 3x**.
- Developed **multiple high-performance microservices in Go and Java** (Quarkus and GraalVM)
- Implemented **full-stack observability** using **Cloud Logging, Cloud Monitoring, and Alerting**.

- Tessell Internal Operations Platform on AWS (0 -> 1)

- Built an internal operations platform**, empowering SRE teams & developers to efficiently manage **production support**.
- Leveraged AWS serverless technologies (Lambda, SQS, MongoDB)** to minimise infrastructure overhead.
- Optimised platform costs to just ~\$4/day** by shifting from Kubernetes to Serverless..
- Developed a **complex PgSync** system to **replicate data from Postgres to MongoDB**

Standard Chartered Bank - SDE I

Bangalore, India July'21 - Nov'22

- Provisioned a Blockchain platform on Hyperledger Fabric 2.3x and deployed it on Kubernetes.
- Developed a RESTful application with Springboot for Authentication, User Management and Kubernetes network creation
- Built a CI-CD pipeline on Jenkins for building and deploying packages on Azure using Terraform.

Standard Chartered Bank - Intern

Remote, India May'20 - July'20

- Build a Chatbot using Rasa open-source framework.
- Added custom actions feature in chatbot to efficiently navigate the user to support their query based on the Intents.

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PERSONAL SUMMARY

Interested in **AI, Distributed Systems and Cloud Technologies**

Cloud and Platform engineer with 4+ yrs of experience in building cloud native platforms on GCP and AWS. Recognised as Employee of the Year and fast-track promotions for driving impact

EDUCATION

IIT Roorkee 2021
B.Tech - Chemical Engg + Mathematics

SKILLS

- AWS**
 - Route53, CloudFront, VPC, API Gateway
 - Security Groups, Secret Manager
 - DynamoDB, S3, Cloudformation, SQS
 - Lambda, ECS, CloudWatch, Step function
- GCP**
 - DNS, CDN, Load Balancer, API Gateway
 - Storage Buckets, Firestore
 - Cloud Run, Cloud Monitoring, Workflow
 - VPC, Firewalls, Secret Manager
- Programming Languages**
 - Go, Java, Python, C++
- Databases**
 - MongoDB, DynamoDB, Firestore, Postgres, ElasticSearch
- Infrastructure & Orchestration**
 - Terraform, Kubernetes, Docker
- Distributed Systems, Microservices**

AWARDS

- Employee of the Year (Dec 2023)** – Recognised by the **CEO** for exceptional contributions in building the **internal operations platform**.
- Skip-level Promotion (Mar 2024)** – Fast-tracked promotion within **one year** at Tessell.
- 5-Star Performance Rating (Mid-2024)** – **Only engineer among 80+ members** to receive the highest rating.
- Second Promotion (Mar 2025)** – Promoted again on the **second work anniversary**.
- Outstanding Academic Performance (2017)** – Ranked in the **top 0.1% nationwide in Chemistry**.

EXTRA-CURRICULAR (IITR)

- Placement Associate**, Placement Cell
- Teaching Assistant**, Academic Reinforcement
- Mentor**, SMP
- Member**, Cognizance
- Member**, NSS

CERTIFICATIONS

- AZ-900, Microsoft Azure Fundamentals