Simar Ahuja

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SUMMARY

Cloud Platform Engineer developing and operating a secure, observable internal Kubernetes platform through Infrastructure as Code. Uses Cloud Posse modules and CNCF-aligned tooling to provision networking, storage, backup, monitoring, and delivery foundations for shipping banking and trading microservices.

EXPERIENCE

Cloud Platform Engineer
Jan 2025 - Present

ION Group, Core Architecture Team — Gurugram, Haryana

Platform Engineering and Delivery

- Develop and operate an internal Kubernetes platform for secure, observable microservice delivery across **7** EKS clusters managing banking and trading workloads.
- Defined reusable Terraform modules for ingress, secrets, observability, backups, storage, policy controls, and federated SSO for **12** engineering teams.
- Delivered platform services through Terragrunt pipelines running in Azure DevOps, automating standardized monitoring, backup, and storage setups across **3** environments.

Performance Optimization

- Developed Grafana dashboards from Prometheus metrics across **3** production clusters to inform capacity utilization and right-sizing decisions.
- Delivered EKS and platform upgrades while maintaining a **99.95%** availability SLO during chaos testing.

Business Impact

- Reduced time to application go-live by **80%** (from **2** days to under **5 hours**) through standardized cluster bootstrapping.
- Cut EKS infrastructure spend by **12-13%** (**$1,000** per cluster) across **3** production clusters, improving cloud cost efficiency.

Leadership and Operational Impact

- Mentored onboarding hires during ION Global Induction 2026, supporting a cohort of **350+** new hires globally.
- Represented the Core Architecture Team in executive strategic planning with the Group CEO and **10+** CXOs at Global Induction.
- Interviewed **27** candidates for software developer roles during the 2027 on-campus hiring drive.

PROJECTS

Ephemeral Environment Engine
GitHub

Kubernetes, Helm, Argo CD, Terraform, Terragrunt, GitOps

- Built pull-request preview environments using isolated Kubernetes namespaces and mock AWS dependencies.
- Automated Helm and Argo CD deployments with isolated infrastructure state per pull request.
- Implemented cleanup scripts and policy checks for privileged workloads and wildcard IAM policies.

Upstream - Cloud-Native Issue Finder
GitHub | Live Demo

Python, YAML, GitHub Search API, GitHub Actions

- Developed a config-driven tool surfacing **1,100+** open-source issues from cloud-native repositories by domain and skill fit.
- Designed a deterministic Go scoring engine using YAML taxonomies, with explainable match signals and audit trails.
- Set up daily issue refresh, validation, and static site deployment using GitHub Actions.

SKILLS

Cloud: Amazon EKS, ECS, RDS, VPC, EC2, S3, IAM
Infrastructure as Code & CI/CD: Terraform, Terragrunt, Azure DevOps Pipelines, GitHub Actions
Kubernetes Platform & Observability: Kubernetes, Helm, Docker, Argo CD, Cilium, Traefik, Keycloak, Prometheus, Grafana
Languages & Tools: Java, Python, YAML, HCL, Git, Linux

EDUCATION

Vellore Institute of Technology
2021 - 2025

B.Tech in Computer Science, Information Security specialization — Vellore, Tamil Nadu

CGPA 9.67/10 | **Graduated Branch Rank 2** (Rank 3 in 2023-2024)

GD Goenka Public School
2015 - 2021

Primary and Secondary Education — Gurgaon, Haryana

10th Grade: 97.4% | **12th Grade: 97.2%**

CERTIFICATIONS AND PUBLICATIONS

- **AWS Certified Cloud Practitioner**, Amazon Web Services | View Badge
- **Breast Cancer Detection Using Machine Learning** (IJFMR, Vol. 6, Issue 3) | Read Paper