

Ishaan Jindal

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Summary

Infrastructure and DevOps engineer focused on container orchestration, deployment automation, and production observability. Building systems that scale reliably and operate transparently under load.

Education

Vellore Institute Of Technology — B.Tech Computer Science and Engineering

Expected: **2028**

CGPA: **8.77 / 10.0**

Certifications

Google Cloud — Associate Cloud Engineer (ACE)

2026

Credential ID: f0d637b8b63743fea89561734e1a0d66 Verify on Credly

Work Experience

Intern — Dishman Carbogen Amcis Limited

June 2026

- Gained hands-on experience with the company's on-premise hosting infrastructure and deployment stack.
- Researched n8n for enterprise workflow automation, built sample integrations with SAP and OpenRouter AI, and compiled findings into a comprehensive evaluation report used as a reusable reference by the operations team.

Technical Skills

Languages: Go, TypeScript, Python, C/C++, Dart, Bash

Cloud & Containers: AWS (EC2), Oracle Cloud, GCP, Docker, Kubernetes, gVisor, Incus

CI/CD & IaC: GitHub Actions, Terraform

Observability: Prometheus, Grafana, Redis

Web/Backend: Node.js, REST APIs, Nginx

Databases: PostgreSQL, MongoDB, Firebase

Projects

Runnix — Sandboxed Code Execution Engine

TypeScript, Docker, gVisor, Redis, Prometheus github.com/ishaan-jindal/runnix

- Built JWT auth, API key management, and role-based access control with granular permission tiers.
- Implemented Docker + gVisor sandboxing with per-container resource limits (64MB memory, 0.5 core CPU) for secure code isolation.
- Designed Redis-backed rate limiting (10–500 req/min) and webhook delivery with retry logic, **sustaining 200+ concurrent jobs**.
- Deployed on Oracle Cloud with Prometheus + Grafana observability, alerting, and real-time runtime metrics.

termchat — Anonymous Chat Platform

Go, WebSocket, Docker, GitHub Actions github.com/ishaan-jindal/termchat

- Built Go WebSocket server with ephemeral rooms, host succession, and password protection; Bubble Tea terminal client.
- GitHub Actions CI/CD pipeline building and publishing multi-platform binaries (Linux, macOS, Windows, Android), published on AUR.

Open Source

lxc/incus-compose — Docker Compose for Incus (53 stars)

github.com/lxc/incus-compose

- Built the **backup** feature: snapshots a project's named volumes into a separate `<project>-backup` Incus project with per-run restore points (`create/list/verify/restore/delete --keep-last N`), pool configured via `x-incus-compose.backup.pool`.
- Implemented `services.{name}.configs` / top-level `configs`: to mount config files into containers from files, inline content, or environment variables, with spec-compliant mode (default `0444`).
- Auto-added well-known OCI registries (docker.io, ghcr.io, quay.io, etc.) to the in-memory Incus CLI config, removing manual `incus remote add` steps.
- Removed the legacy `x-incus-compose.nat-proxy` extension, unifying port handling through the standard `ports` field with opt-in NAT mode.

lichess-org/mobile — Official Lichess app (2.5K+ stars)

github.com/lichess-org/mobile

- Wrote `rich_link_text.dart`, a drop-in replacement for the unmaintained `flutter_linkify` package; migrated chat, user-profile, and study views and dropped both external `flutter_linkify/linkify` dependencies, with custom URL/email/user-tag linkifiers and 300+ lines of tests.

Leadership

Android Club, VIT Chennai — Technical Head

2026–Present

- Technical decisions for 100+ member club; establishing stack standards, code review processes, and mentoring junior developers.

Languages

Hindi (Native), English (Fluent), German (Beginner), French (Beginner)