

# AMAN YADAV



+91-8770725193



[amannyadav07@gmail.com](mailto:amannyadav07@gmail.com)



[LinkedIn](#)



[GitHub](#)

## Education

**Indian Institute of Information Technology, Gwalior**

*Bachelor in Information Technology and Master of Business Administration*

**July 2021 – May 2026**

*Current Grade: 8.05/10*

## Experience

**LFX Mentee - Microsoft Copacetic**

**June 2025 – August 2025**

*The Linux Foundation | [Contributions](#)*

*United States; Remote*

- Engineered bulk image patching for 100+ container images (multi-arch images using QEMU) via YAML configs, streamlining patch workflows.
- Created tabular summaries for multi-arch patch logs and improved Docusaurus docs clarity for faster incident triage.
- Delivered 15+ PRs & opened 5+ issues in v0.11.0, adding core patch features, critical fixes, and full test coverage to harden container reliability.

**Software Developer Intern**

**December 2024 – April 2025**

*Hygge Energy | [Homepage](#)*

*Ontario, Canada; Remote*

- Spearheaded Hygge P2P Admin Panel with 20+ configuration screens, enabling utilities to manage bids & permissions.
- Conceptualized a feature-hierarchy diagram for the P2P platform, mapping user roles, functions, and data flows.
- Implemented report export in the Carbon Accounting Tool, cutting manual data-extraction time by 50% and reducing failure modes.

## Open Source

**Prometheus**

**CNCF Graduated Project**

*Golang, TypeScript, Mantine UI, Markdown*

*[Contributions](#)*

- Refactored stddev/stdvar metrics to use arithmetic mean for NHCB buckets, merged into v3.4.0.
- Added head-append failure/success metrics with reason labels and an out-of-order flag for Avalanche, strengthening high availability alerting and SLO tracking.
- Pushed 10+ PRs/issues across scraping, PromQL, histograms, testing, and UI modules to improve reliability.

**Prequel.dev**

**United States**

*Golang, Bash, YAML, CI/CD*

*[Contributions](#)*

- Designed a taxonomy for 100+ CRE rules and tags, improving detection coverage and maintainability.
- Served as a release contributor for v0.3.43, collaborating with co-founders on feature direction and implementation.
- Authored unit/integration tests for core `preq` packages, raising test coverage from 39% to 59%.

## Technical Skills

**Programming Languages:** Golang, C/C++, Bash, YAML, JavaScript, TypeScript, SQL

**Web Development:** HTML, CSS, Bootstrap, Tailwind UI, React, Angular, Node.js, Express.js, MongoDB, Mantine UI

**DevOps & Cloud:** Linux, Docker, Kubernetes, Prometheus, Thanos, AWS, GitLab, CI/CD, Copacetic CLI

**Tools & Other:** Git, GitHub, Postman, cURL

## Projects

**FrameDB API** | *Golang, PostgreSQL, RESTful API Development*

**January 2025**

- Developed a RESTful Golang API with goroutines/channels, powering 15 concurrent CRUD operations and endpoints.
- Integrated JWT-based authentication and authorization across 12 endpoints, enforcing robust access controls.
- Optimized filtering, sorting, and pagination, accelerating query response times by 1.8x.

**Movie Voting Web App** | *React, Material UI, Redux, Node.js, Express, MongoDB*

**May 2024**

- Launched a responsive React platform with 10 pages/components, achieving <2s initial load times.
- Implemented Redux across 10+ state modules and JWT authentication, reducing auth flow latency by 30%.
- Engineered real-time leaderboard updates for 100+ concurrent users, tracking votes/likes alongside movie metadata.

## Achievements

- Operate a kubeadm multi-node Kubernetes homelab on Linux to simulate HA designs(2-tier/3-tier layouts).
- Opened 30+ PRs and served as release contributor for three CNCF projects, shaping Cloud Native tooling.
- Google Certified UX Designer, with 4+ global client projects across Dubai, the U.S., and India.