Lakshay Choudhary

+91-96102-02227 — hi@unlux.dev — LinkedIn — GitHub — PortFolio

EXPERIENCE

- **Backend Development Intern**, PrintSaathi   Feb 2025 – Apr 2025
  - Migrated from MongoDB to PostgreSQL with Prisma ORM, enforcing strict schema validation.
  - Reduced API latency by caching hot data and optimizing SQL queries.
  - Built a Redis-backed BullMQ queue for async tasks and email delivery.
  - Refactored REST APIs for improved performance and stability.

CERTIFICATIONS AND EXPERIENCES

- **Azure Administrator Associate (AZ-104)**
  Microsoft Certified — Issued: Apr 27, 2025 — Credential ID: `DA8FC08EA9CBA32B` — verify
- **Web3 Hackathon Winner**, Block se Block Web3 Hackathon by ICP Hub   2025
  Awarded 1st place and $500 among 200+ participants for SoundPrint. — media
- **Core Team Member**, Google Developer Student Club (GDSC), LPU   2022 – 2024
  Organized GDSC WoW events; led logistics, coordination, and cross-team collaboration. Mentored peers in Web Development and Linux.

PROJECTS

- **Personal Homeserver Infrastructure** — *Proxmox, Infra Management*   Mar 2024 - Jan 2025
  - Self-hosted websites, databases, and development tools on personal Proxmox homeserver
  - Implemented secure networking with Cloudflare Tunnel and Cloudflare Access for authentication
  - Deployed organic search instance with MeiliSearch, and multiple VMs for development environments
  - Managed containerized applications and services using Docker orchestration
- **Video Transcoding Pipeline** — *Node.js, Docker, EC2, S3, SQS* — repo   Nov 2024
  - Engineered cost-efficient transcoding on EC2 to reduce infra spend versus ECS.
  - Leveraged SQS and ECR for job orchestration; designed dynamic FFmpeg presets.
  - Secured uploads with S3 presigned URLs and custom UI integration.
- **NixOS Configuration** — *Nix, GitHub Actions* — repo   Mar 2024 – Present
  - Maintains reproducible NixOS setup using flakes and Home Manager.
  - Configured Btrfs + Disko for snapshots and rollback; automated CI on builds.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Bash, Python, C/C++, Nix
- **Web:** Node.js, Express, Next.js, React, Prisma, BullMQ
- **DevOps:** Docker, GitHub Actions, CI/CD, Linux Administration
- **Cloud:** AWS (EC2, S3, SQS, ECR), Vercel
- **Dev Tools:** Linux, SSH, Git, Docker, Kubernetes, Termius, Postman, Vercel, Cloudflare

EDUCATION

- **Lovely Professional University**, Punjab   Aug 2022 – May 2026
  B.Tech in Computer Science and Engineering
- **Birla Modern High School**, Jaipur   Apr 2022
  HSC and SSC