

KANAK CHAUDHARI

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Summary

Full Stack Software Engineer with expertise in infrastructure, DevOps, and application development. Experienced in building scalable systems and secure deployment practices. Active open-source contributor and tech community speaker. Currently balancing roles at PriceLabs, an IT engineering internship in Japan, and security consulting work.

WORK EXPERIENCE

Full Stack Software and Infra Developer | PriceLabs 2023.9 – Present

Infrastructure & DevOps:

- Architected and managed scraping infrastructure handling 100M+ listings from across short term rental sites
- Led development of cost-efficient backup solution using XtraBackup and Docker, saving significant operational costs
- Implemented internal proxy system processing 350,000 daily requests with TLS fingerprint spoofing
- Built and maintained PMM dashboards and Grafana alerts for critical infrastructure monitoring
- Developed automated Jenkins pipeline for scraper deployment
- Created and managed ansible playbooks to deploy scripts and various services across the servers.
- Managed and upgraded server and MySQL databases, ensuring that system stays in optimal state.
- Managed ELK-based logging solution with robust monitoring and failover mechanisms

Full Stack Development:

- Developed key features using Rails, MySQL, Redis and modern frontend technologies
- Optimized database queries and resolved deadlocks to improve application performance
- Successfully integrated multiple PMS systems with core application
- Mentored junior developers and conducted proactive code reviews

IT Engineering Intern | Plus W Inc, Japan 2025.1 – Present

- Developing simulator for IOT device to improve the efficiency of the engineering team
- Contributing to juchheim's Theo CMS.
- Gaining hands on experience in Japanese software development practices

Devops and Security developer | Data Cloud gaze 2024.10 – Present

- Developed containerization tool for PostgreSQL with extensive plugin support, streamlining database deployment
- Architected and implemented cross-platform CI/CD pipelines with multi-cloud storage integration
- Engineered robust DLL protection mechanisms to enhance application security against reverse engineering
- Designed and built license server infrastructure for secure software distribution

Software Engineer | RyoCurrency 2021.10 – 2022.10

Security & Reverse Engineering:

- Engineered advanced MITM proxy system to analyse and decode mobile application traffic patterns
- Developed sophisticated bots leveraging decompiled app keys and heuristic methods
- Implemented binary encoding for telemetry data to optimize transmission security

Infrastructure & DevOps:

- Architected and deployed full-stack application from initial planning to production
- Containerized entire application stack including Django backend, scrapers, and Nginx using Docker

- Built real-time visualization system for Apache logs using Sanic server with Nginx integration
- Optimized search infrastructure with Manticore, achieving 200% performance improvement
- Designed scalable REST API handling millions of records with Django and PostgreSQL

PROJECTS & OPEN-SOURCE

LiSA (Author).

<https://github.com/CosmicOppai/LiSA>

- Desktop Application which allows **streaming and downloading anime & manga** bypassing ads and popup.
- Features include **stream video in in-built player** or on VLC and MPV, **download multiple episodes or chapters in parallel**.
- Integration with popular media players such as VLC and MPV and supports multiple OS.
- Other functionality includes trending **page, watch-later & download manager**.
- Over 130 stars across GitHub and thousands of downloads.
- Tech Stack – **Python, Starlette, Electron, React, FFMPEG, Puppeteer, Tauri, pyinstaller**.

Ayur (Author)

[Ayur-service/engine /HackNuthon 4.0](#)

- AYUR is a life-saving project designed to efficiently store and access critical patient information during emergencies. It provides a comprehensive system for accessing a patient's medical history quickly and effectively.
- Key technologies used include React for the frontend, Python for backend services and Docker.
- AYUR also utilizes MongoDB for microservices, PostgreSQL for user authentication, Redis for caching, and Nginx for routing.
- The project includes interfaces for both users and hospital administrators, with detailed API documentation for different services. A demo showcasing the user interface and functionality is available.

SPEAKING & COMMUNITY

- Speaker at MumPy 2024: [Secure distribution strategy for commercial applications](#)
- Active contributor to tech community discussions

SKILLS

- **Languages:** Python (Proficient), Go (Proficient), Ruby, JS, C, Bash.
- **Frameworks:** Django, FASTAPI, Flask, Rails, PYQT5.
- **Databases:** Postgres, CockroachDB, Cassandra, MongoDB, MYSQL.
- **Cloud:** AWS, Digital Ocean, Linode.
- **Others:** Docker, K8s, Jenkins, Ansible, CI/CD, Nginx, envoy, gRPC, Redis, Networking, Reverse-Engineering, system-design.
- **Spoken-Languages:** English (Business), Japanese (Conversational)

ACHIVEMENTS

- **Winner** of the All-India Hackathon in Mumbai among 336 participants (2023).
- **Semi Finalist** at all India hackathon at charotar university

Education

Savitribai Phule University (Pune University)

- Bachelors in Information Technology | GPA: 9/10