

# KANAK CHAUDHARI

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## EDUCATION

Savitribai Phule University (Pune University)  
Bachelors in Information Technology (9.57/10)

## WORK EXPERIENCE

Full Stack Software and Infra Developer: **PriceLabs** 2023.9 – Present

**Tech Stack:** Ruby, Rails, Redis, MYSQL, Jenkins, Elastic, PMM, HTML, CSS, JS, Python, Flask, Bash, Docker, Percona-xtrabackup, envoy

- Infrastructure
  - ❖ Managed the Scraping Architecture of the company, which is mainly responsible for scraping occupancy and listings meta-data of over **100 million** listings, also contributed actively by writing new scrapers to meet the overcoming demands.
  - ❖ Build and Maintained the PMM Dashboards and Grafana Alerts for critical components.
  - ❖ Created the Jenkins Pipeline to automate the deployment of scrapers.
  - ❖ Build the Internal Proxy to spoof TLS fingerprints to bypass blocks and rate limit for **350000** requests daily.
  - ❖ Build the Service using xtrabackup, docker clusters and ruby to periodically take backups of all databases and replicate it across multiple object storage with a design principle of portability and fault tolerant.
- Full Stack Development:
  - ❖ Developed features using Rails, MySQL, HTML, CSS, and JS.
  - ❖ Created database schemas to improve app flow and extensibility.
  - ❖ Notable features comprise of handling billings, price updates, notes, ability to combined listings and such.

Software Developer: **Ryo Currency** 2021.10 – 2022.10

**Tech Stack:** Python, Django, Postgres, Nginx, Sanic, Docker, JS, MitmProxy, bash, Matplotlib.

- Developed bots to mimic actual applications, parsing requests using MITM and extracting app keys through decompiling and heuristic approaches.
- Wrote scripts to encode telemetry data in binary format.
- Created an internal tool to visualize Apache logs, serving graphs via a Sanic server and Nginx.
- Authored a tool to collect posts and comments from Reddit.
- Created a REST API using Django and Postgres to handle over 1 million+ records.
- Developed a UI for searching and filtering deleted posts/comments.
- Dockerized the Django backend, web scraper, Nginx, and Certbot.
- Optimized search time by approximately 200%.

## PROJECTS & OPEN-SOURCE CONTRIBUTION

**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-built player** or on VLC and MPV, **download multiple episodes in parallel**.
- Integration with popular media players such as VLC and MPV
- Other functionality includes **Explore page, watch-later & download manager**.
- Tech Stack – **Python, Starlette, Electron, React, FFMPEG, Puppeteer, Tauri**.

**PyqtGraph** (Committer)

<https://github.com/pyqtgraph/pyqtgraph/pull/2236>

- **Fast data visualization and GUI tools for scientific/engineering applications**
- Fixed the critical bug which was crashing the App on right click

- Raised the issue about **error in renaming the node**

**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 (Flask, Django), and Docker for containerization.
- 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.

## SKILLS

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- **Languages:** Python (Proficient), Go (Proficient), Ruby, JS, C, Bash.
- **Frameworks:** Django, FASTAPI, Flask, Rails, PYQT5, NodeJS.
- **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

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- **Semi-Finalist** in All India Hackathon at Charotar University.
- **Winner** of the All-India Hackathon in Mumbai among 336 participants (2023).

Blue texts are hyperlinks.