Roshan R Chandar

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EXPERIENCE

Strollby | *Product Engineer*   *2023 - 2024*

- **Implemented real-time data ingestion pipelines** using **Amadeus APIs**, automating the retrieval and processing of hotel data across **2.3 million hotel properties.**
- **Developed a custom payment microservice** that allows users to select between multiple payment processors (Stripe or Razorpay), enhancing payment flexibility and scalability.
- Integrated **Viator APIs** to fetch and display tourism data on web and mobile platforms, and led the recertification process to ensure compliance with updated API standards and protocols.
- Developed **MongoDB aggregation pipelines** for efficient data processing at scale and maintained/optimised **GraphQL APIs** to improve query performance and enhance data fetching efficiency.
- **Built custom authentication plugins** in **Rust** and **Go** for Apollo Router and Traefik, ensuring a more secure and scalable API gateway that supports **thousands of concurrent requests** per second.
- Deployed and managed **Kubernetes clusters** on **GCP** using **Terraform**, streamlining infrastructure automation.

Phorena Technologies | *Intern*   *2021 - 2021*

- Worked on implementing a custom **MQTT-SN** client and server.
- Designed and developed macros and finite state machines in rust using **tokio** and **fsm**.

EDUCATION

College of Engineering Trivandrum   *2019 - 2023*

B.Tech in Computer Science - GPA 8.14

TECHNICAL SKILLS

Programming Languages/Frameworks	: Python, Javascript, Rust, Bash, C, Golang, FastAPI, Graphene
Databases	: PostgreSQL, MongoDB

PROJECTS

Cherava   *React, Tailwindcss, ExpressJs*

https://cherava.vercel.app/

- **Developed an open-source, zero-code web scraping automation tool**, winning **FOSS Hack 3.0** by FOSS United India.
- **Implemented a workflow-based system** to allow users to monitor **HTML selector changes** and receive **email notifications**.

Termv   *Bash, Make*

https://github.com/Roshan-R/termv

- **Created** a command-line application for streaming a variety of live TV channels, sourcing content from **iptv-org**.
- Achieved **230+ GitHub stars** and fostered an **active contributor community**, driving continuous improvements and feature additions.

HONOURS AND AWARDS

- **Speaker** at *PyCon Thailand 2023* and *EuroPython 2024*, delivering talks on PyO3.
- **Prize Winner** of *FOSS Hack 3.0* by FOSS United India.
- **First Runner-up** in *The Reflections Automotive Challenge* by Bloombloom and Kerala Startup Mission.
- **Semi-finalist** in *Reboot Kerala Hackathon 2020* by ASAP Kerala.
- Ranked in the **Top 50** at *HAC'KP Hackathon* by Kerala Police, competing against top talent in security and software development challenges.
- **FOSS Mentor** at *TinkerHub CET*, guiding and mentoring students on open-source projects and best practices.