

Rohith Raju

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SUMMARY

Software Engineer. Google Summer of Code contributor at CNCF Falco and Speaker at Kubecon Chicago. Currently pursuing master's in computer science at Linkoping University.

EDUCATION

- **Linkoping University** Linkoping, Sweden
Computer Science, Master's Programme - 6MICS Aug. 2024 – Aug. 2026
- **Reva University** Bangalore, India
Bachelor's in Computer Science and Engineering GPA: 8.75/10 Aug. 2019 – July. 2023
- **Deeksha Pre University** Bangalore, India
Pre University PCMC : First class Aug. 2017 – Feb. 2019

EXPERIENCE

- **Google summer of code at CNCF Falco** Remote
Open source developer May 2023 - September 2023 4 mos
 - **Building Falco Playground using Wasm:** Contributed to the development of a Falco rules playground as part of the Google Summer of Code program. Worked on creating a web-app, leveraging WebAssembly. Collaborated closely with a mentor to take the project from concept to completion, providing a dedicated environment for writing and experimenting with Falco rules.
 - **Skills::** C++, Cmake, React, Typescript, WebAssembly, Github Actions, Kernel
- **Motorola Solutions** Bangalore, India
Internship Trainee July 2022 - December 2022 6 mos
 - **Messaging Team:** Worked on spring boot microservices and internal tools, used for push-to-talk communications.
 - **Skills::** Linux , Docker , Jira , Springboot basics
- **Betsol** Bangalore, India
Software Engineering Intern Jun 2022 - July 2022 1 mos
 - **Docker Containerization:** Containerized swiftcode Repository which uses play framework to deploy the application using Docker
 - **Skills::** Docker
- **PawsNme** Bangalore, India
Web Developer Intern Nov 2020 - Oct 2021 1yr
 - **Node Script:** Revised a method to transfer data from an xlsx file into the database, streamlining the process. Resolved various bugs and challenges associated with backend endpoints, ensuring smooth functionality and enhanced user experience.
 - **Skills::** Node.Js , Express
- **Ninjaas Internet - Retail and eCommerce** Bangalore,India
Web Developer Intern Aug 2021 - Sep 2021 2 mos
 - **Tellack:** Tellack is script built with node to move all the chat data from Telegram to Slack.
 - **Skills::** Node.Js

OPEN SOURCE CONTRIBUTIONS

- **Falco Security** Bangalore, India
Contributor — <https://github.com/falcosecurity> *April 2023 - present*
 - **Flaco Libs:** Falco is a cloud-native security tool designed for Linux systems. It employs custom rules on kernel events, which are enriched with container and Kubernetes metadata, to provide real-time alerts. My contributions involed adding addtional syscalls to the core falco libs repository.
- **Layer5** Bangalore, India
Member/Contributor — <https://github.com/meshery> *May 2022 - December 2022*
 - **Meshery:** Meshery is the cloud native management plane offering lifecycle, configuration, and performance management of Kubernetes, service meshes, and your workloads. My contribution involved improving the UI/UX of the application and making documentation changes.

PROJECTS

- **Crux:** (Work in Progress) Crux is a C++ implementation of the Lox interpreter by following the principles used in the Crafting Interpreters book written by Bob Nystrom.
- **LinkedList:** This project consits of templated version of linear linked list that mimics the style used in C++ standard template library. This project was done to learn, understand and practice concepts specifically tied to C++.
- **Telemetry Observability For Self-Piloted Robot:** A self-piloted robot with infrared sensors follows a predefined path that is marked with a black line on a contrasting white colour, using sensor data to make decisions. Journey data is sent to a database for realtime analysis.
- **TripTalk:** TripTalk is a web application built with react with allows users to create travel blogs.
- **Reva Results:** A python and xpath web scraper which scrapes and formats the results site and displays the marks of a student

TALKS AND PRESENTATION

- **The Falco Playground: A Cocktail of WebAssembly and Runtime Security** Chicago, Illinois
Working of falco and falco playground *Youtube:Link Slides:Link*
- **Building a Docker Extension from scratch** Microsoft Reactor,Bangalore
Inner workings of Docker extensions and building a sample app *Slides:Link Hilights:Link*

PROGRAMMING SKILLS

- **Languages:** C++, Python, Javascript, Go **Technologies:** React, Node, Typescript , GCP , MongoDB, Aws