PRITISH SAMAL

B.Tech | NIT Rourkela

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WORK EXPERIENCE

Software Development Intern
📅 May 2022 – Present

BharatPe

- Primarily worked in the **Web Chapter** and built reusable components using React & TypeScript. Also worked on developing and maintaining their core component libraries(Bharat UI & Utileo) which is actively used in most of their products.
- Closely worked with the **Unity Small Finance Bank** (recently acquired by BharatPe) building a revolutionary branch banking service for the customers & employees. Also built an automation tool to ease the process of adding bank agents and assigning them roles and privileges.
- Built a **video widget** for the BharatPe merchant app using React, TS, & Rephrase AI apis which was used by over a **100,000** merchants.

Software Development Intern
📅 Sep 2021 – Nov 2021

Cloud Native Computing Foundation - Kyverno

- As an LFX mentee, I worked on extending the test command of CNCF - Kyverno (a kubernetes native policy management engine) to cover generate policies and improving its test coverage
- Ideated the structure of test.yaml for generate policies taking into consideration the existing test command workflow & then worked on tweaking the test command using Go, kubernetes, fake go-client, Docker & Kubernetes. Also wrote unit tests and e2e tests for the same.

Opensource Developer
📅 Sep 2021 – Present

CNCF - Kubernetes

- I was a part of the structured logging migration Working Group where I migrated logs of kube-proxy to structured logging.
- I'm the maintainer of the **kubernetes.dev** site project where I worked on developing new features such as the events page, improving its SEO, triaging issues and PRs on a regular basis.
- Currently a part of a mentoring cohort for **sig-cli** where I work on development of cli tools like **kubectl** & **krew** using Go & Kubernetes.

Backend Developer
📅 Jun 2021 – Aug 2021

Open Bioinformatics Foundation

- During Google Summer of Code, 2021 I worked on developing a **Journal Policy Tracker** using python, poetry, flask.
- Implemented the CRUD functionalities of journals and their related policies as well as setup an authentication & authorisation system to avoid spams.
- Used SQLite3 for storing data with SQLAlchemy as the ORM and automated its deployment to Heroku using GitHub actions

PROJECTS

Mini Node Exporter

- It is a type of monitoring stack and an exporter for hardware and OS metrics like average load, uptime, hostnames, etc that is exposed by the prom-client.
- Developed it using Express.JS and prom-client for the server, Prometheus and Grafana for continuously monitoring the stack, Docker to containerize the express app, and Docker Compose to orchestrate the whole stack.

EDUCATION

B.Tech Ceramic Engg. | 2019-23
NIT Rourkela | 7.52/10

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Intermediate | May 2018
De Paul School | 90%

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Matriculation | May 2016
De Paul School | 91.2%

PROGRAMMING SKILLS

Programming Languages
JavaScript, TypeScript, Golang, C++, Python

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Industry Knowledge
OOPS, Data Structures, Full Stack Web Development, Cloud Computing

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Frameworks and Libraries
React, Redux, Next.js, Gatsby, Node.js, Express, Mongoose, MongoDB, Firebase, Flask, SQLite, Gofiber, Socket IO

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Tools and Technologies
Git, GitHub, Webpack, Heroku, Docker, Kubernetes, Prometheus, Grafana, Kyverno, DigitalOcean

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Languages
English, Hindi, Odia

PORS

Mentor, Google Summer of Code'22
- Mentored a project under the **Open Bioinformatics Fdn.** during GSoC'22.

YouTube Admin, Kubernetes
- I'm one of the primary Youtube admin of the official **Kubernetes** YT channel.

GitHub Campus Expert
- A program by **GitHub Education** that strives to build diverse and inclusive spaces to learn skills and build projects together.

Community Manager, OpenCode
- It is the open-source community of NIT Rourkela registered under SAC, NITR.

Tech Lead - HackNITR Hackathon
- One of the largest hackathons in Eastern India with more than 2200 hackers

Secretary, Film & Music Society
- Elected as the Secretary at FMS to uplift the multi-cultural environment at NITR