

Pritish Samal

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EDUCATION

National Institute of Technology, Rourkela

B.Tech in Ceramic Engineering | CGPA - 7.35

Rourkela, India

Aug. 2019 – June. 2023

TECHNICAL SKILLS

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

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

Frameworks: React, Redux, Next.js, Node.js, Express, Gofiber, MongoDB, Firebase, Flask, MySQL, PostgreSQL

Developer Tools: Linux, Git, Webpack, Docker, Kubernetes, Prometheus, Grafana, GKE, Jenkins, Service Mesh

EXPERIENCE

Software Development Intern

May 2022 – Feb 2023

BharatPe | TypeScript, React.js, Firebase, APIs, Git

Gurgaon

- Worked primarily in the Web Chapter and created reusable components in React & TypeScript utilizing the React Testing Library in a test-driven development environment.
- Built Hubble, a revolutionary dynamic templating engine that enables code-free page creation for merchant applications. Developers can effortlessly design pages through intuitive drag and drop of components.
- Developed a video widget for the BharatPe merchant app using React, TypeScript, & Rephrase AI APIs which was used by over 100,000 merchants to boost their businesses.
- Also worked on the login flow, address feature, OTP verification, pre-loader, voucher flow, and products flow of the Payback app which is essentially a unique coalition loyalty program.

Software Development Intern

Sep. 2021 – Nov. 2021

Cloud Native Computing Fdn. | Golang, Docker, Kubernetes, Kyverno, Shell

Remote

- As an LFX mentee, I worked on extending the test command of CNCF - Kyverno cli (a Kubernetes native policy management engine) to cover generate policies and improving its test coverage from 82.4% to 96.2%.
- 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, go-client, & Docker.

Backend Developer Contractor

Jun. 2021 – Aug. 2021

Open Bioinformatics Fdn. | Flask, Poetry, Passport, SQLite3, Postman, Heroku

Remote

- During Google Summer of Code, 2021 I worked on developing a Journal Policy Tracker, a platform where one can find all the open-source journals, using python, poetry, & flask.
- Implemented the CRUD functionalities of journals and their related policies as well as setup a role based authentication & authorisation system using Passport.js to avoid spams. Used SQLite3 for storing data with SQLAlchemy as the ORM and automated its deployment to Heroku using GitHub actions.

PROJECTS

Kafka Streamer | Python, Flask, Kafka, Docker, Kubernetes

- Built a Python Flask web service managing product orders: POST JSON to Kafka for city-based routing, GET orders from PostgreSQL as JSON. Integrated Kafka for message handling, and email notifications implemented based on order priority & orchestrated the whole stack using Kubernetes.

SQL Editor | React, Material UI, Alasql, React Ace

- SQL Editor is a web application offering seamless SQL query execution, pagination-enabled result display, search capabilities, and query history log. It supports the export of results in CSV or JSON formats, showcases query execution time and provides a convenient sidebar with a list of available tables for quick reference.

POSITION OF RESPONSIBILITIES

- Mentored a project under the **Open Bioinformatics Foundation** during **Google Summer of Code'22**.
- Got selected as a **GitHub Campus Expert** of NIT Rourkela, a program by GitHub Education that strives to build diverse and inclusive spaces to learn skills and build projects together
- Got elected as the **Secretary** of the **Film & Music Society** to uplift the multi-cultural environment at NITR
- **Technical Lead** at **HackNITR Hackathon**, one of the largest hackathons in the eastern India.
- **Community Manager** at **OpenCode**, the open-source community of NIT Rourkela registered under SAC.