Priyanshu Sahu

✉ priyanshu.sahu@iiitg.ac.in   ⬡ github/PriyanshuSahu   in LinkedIn/Priyanshu   📞 08858782365

👤 PROFILE

IIIT Guwahati graduate with strong foundations in data structures, algorithms, and scalable system design. Experienced in software engineering, backend development, and DevOps automation, with hands-on exposure to building high-performance applications and cloud-native solutions. Proven ability to solve complex problems, write production-grade code, and collaborate in fast-paced teams

👤 EXPERIENCE

Cloud Engineer, Cyfuture Pvt Ltd   06/2023 – Present
- **Built a secure Visitor Management System** with **Spring Boot, REST APIs, JWT, and AES encryption**, reducing unauthorized access by **60%** and cutting manual verification time by **70%**.
- **Integrated Firebase Cloud Messaging (FCM)** for real-time host alerts, improve response time by **40%** and reducing average visitor wait time from **5 to 2 minutes**.
- Automated **Container-as-a-Service** platform, enabling one-click **Kubernetes** deployment of Dockerized apps, reducing deployment time by **70%**.
- Designed monitoring scripts **(Python/Java)** to analyze **vCenter, VCD, and NSX** performance logs, leading to infrastructure fixes and **20%** fewer outages.
- Optimized infrastructure for **200+ enterprise clients including major banks**, improved system availability and reducing incident resolution time by **30%** and Mentored 2 interns

Software Developer Intern, Black Basil Pvt Ltd   01/2023 – 06/2023
- Developed an Admin Dashboard **(Flutter + Flask + MongoDB)** supporting **10k+ records** with secure authentication & **CRUD** operations.
- Built **Python**-based scrapers (BeautifulSoup, Scrapy) aggregating 100k+ social media records.

🎓 EDUCATION

Indian Institute of Information Technology Guwahati,   2019 – 2023 | Guwahati
B.Tech in Electronics and Communication Engineering
CPI : 7.9

🧠 TECHNICAL SKILLS

Languages : Java, Python, C++

Backend/Frameworks & Databases : Spring Boot, Node.js, React.js, MySQL, MongoDB

Cloud/DevOps : Kubernetes, Docker, AWS, Jenkins, CI/CD, Chef, Ansible, Nagios, Linux

CS Foundations : Data Structures, Algorithms, OOPS, Design Pattern, OS, Networks

Milestone : Solved 600+ Questions across GFG & Leetcode, Google Kickstart 2022 (Rank 4073)
                                                                                          Link 🔗

📁 PROJECTS

NETFLIX CLONE – MERN STACK PROJECT
- Designed a full-stack Netflix clone web application using **React, Redux Toolkit, Node.js, Express, MongoDB**, and admin controlled content management to mimic key Netflix features
- Implemented interactive movie and TV show browsing with The Movie Database **(TMDB) API** integration, user authentication via **JWT**, personalized user lists, and UI with styled-components and **React Router**
- Applied backend **APIs** with **Express.js + MongoDB**, supporting multi-user concurrent access and responsive UI performance under load.

CI/CD Pipeline Automation
- Automated **CI/CD** pipeline using **Git, Jenkins, Maven, Docker, Ansible** to streamline application build, testing, containerization, deployment, and infrastructure automation for a sample web application.
- Integrated **Nagios** for real-time monitoring to ensure high reliable system performance

Real-Time Chat Application (Java, Socket Programming)
Developed a **multi-threaded chat system** with client-server architecture supporting concurrent messaging Implemented socket-level optimizations, reducing average message delivery latency to <50ms.