

Rakesh Kumar

Software Engineer

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Self-taught Software Engineer skilled in **Frontend (React.js, Tailwind CSS)** and **Full Stack Development (Node.js, Express, MongoDB)**. Experienced in building responsive apps, deploying with **Docker, AWS**, and automating CI/CD pipelines. Passionate about clean code and scalable solutions.

Skills

- **Programming Languages:** HTML, CSS, JavaScript, TypeScript, Shell Script, Python
- **Frontend Development:** React.js, Tailwind CSS, Figma
- **Backend Development:** Node.js, Express.js
- **Databases:** MongoDB, Postgres
- **DevOps & Cloud:** Docker, Jenkins, AWS (EC2, ECR, EKS, S3, Lambda, CloudWatch), Git, GitHub Actions
- **Testing & Performance Tools:** Postman, JMeter, BlazeMeter, Selenium, Swagger UI

Work Experience

Torry Harris | Software Engineer | India | 2021-Present

Client: British Telecom | Bengaluru, India

- Executed performance testing on microservices using **Apache JMeter** and **BlazeMeter**, improving service scalability by **40%** and reducing response times by **30%**.
- Conducted comprehensive API and microservice testing using **Postman**, **Datadog**, and **AWS CloudWatch**, reducing error rates by **25%** and enhancing system reliability.
- Developed a responsive frontend with **React.js**, improving user experience and increasing user engagement by **20%**.

Personal Project

LeetLab – Online Coding Platform

[GitHub Repository](#).

- Built a full-stack coding platform using **React.js**, **Node.js**, **Express.js**, and **MongoDB**, enabling users to solve coding problems and track progress.
- Designed a responsive and interactive UI with **Tailwind CSS** for a seamless user experience.
- Implemented real-time code execution and automated test case validation using **judge0**.
- Developed secure authentication with role-based access and deployed the application using **Docker** and **AWS** for scalability.

Education

Siddhartha Institute of Technology & Sciences [ECE] | Bachelor of Technology