

Krishna Karthik Gopavarapu

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Professional Summary

Full Stack Developer and DevOps Engineer with **around 3 years of experience** building, deploying, and supporting scalable web applications. Strong expertise in **Kubernetes, CI/CD pipelines, React.js, Node.js, MongoDB**, and modern UI frameworks. Proven ability to troubleshoot production issues, collaborate with cross-functional teams, and deliver reliable, maintainable solutions in agile environments.

Work Experience

Buildbot Technologies Pvt Ltd | Full Stack Developer & DevOps Engineer

Apr 2023 – present

DevOps Engineer (Apr 2023 – Mar 2024)

- Managed and monitored **Kubernetes clusters**, ensuring high availability, scalability, and performance.
- Investigated and resolved application and infrastructure issues by **analyzing cluster logs and metrics**.
- Automated build and deployment workflows using **Git and Jenkins CI/CD pipelines**.
- Supported containerized applications using **Docker and Kubernetes tooling**.
- Assisted with cloud infrastructure **on AWS (EKS, EC2, S3 – basic exposure)**.

Tools & Technologies: Kubernetes, Docker, Jenkins, Git, Lens, AWS (EKS, EC2, S3)

Full Stack Developer (Mar 2024 – Present)

- Developed an **Internal HR Management System** including:
 - Authentication & role-based access
 - Job postings and candidate management
 - Employee, leave, payroll, and office application management
- Built a **real-time task management (Kanban) board** with:
 - Role-based access control
 - WebSocket-based real-time updates
 - Jira integration for task tracking
- Supported and enhanced a **pharma scientific data management system**, ensuring stability and issue resolution in production environments.
- Designed and implemented **RESTful APIs** and backend business logic using **Node.js and Express.js**.
- Developed responsive, modern UIs using **React.js, Redux, TypeScript, Shadcn/UI, Material UI, and Tailwind CSS**.
- Designed and maintained **MongoDB schemas**, collaborating with team members on data modelling and optimization.

Technical Skills

- **DevOps & Tools:** Kubernetes, Lens, Git, Jenkins, Docker, AWS (EKS, EC2, S3 – basic)
- **Frontend:** React.js, Redux, TypeScript, Shadcn/UI, Material UI, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, WebSocket
- **Database:** MongoDB
- **Other:** Agile/Scrum, Jira, Debugging & Troubleshooting

Projects

- **HR Portal Website**

Internal recruitment and HR platform for job posting, candidate tracking, employee management, and office-related workflows.

- **Team Task Management Board**

Real-time Kanban board with WebSocket updates, role-based access control, and Jira integration.

- **Pharma Data Management Application**

Scientific data management system supporting pharma equipment and workflows.

Education

- Postgraduate Diploma in Rural Development, NIRDPR – 2021
- Bachelor's in Agricultural Engineering, ANGRAU – 2020