

# KALYAN KUMAR POKKULA

Hyderabad, India

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MERN full-stack developer with expertise in React.js, Node.js, Express, MongoDB, MySQL, and Docker and Other Tools etc. Passionate about DevOps, with experience in creating automated pipelines using DevOps Tools. Excited to apply web development skills to build web3 applications.

## Skills

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**Programming Languages:** Java, JavaScript, Typescript, Golang, Python

**Technologies & Tools:** DevOps, React.js, Next.js, Redux, Recoil, Material Ui, Express.js, Tailwind CSS, Bootstrap, Mono Repo, MongooseORM, Prisma, MySQL, Sequelize, ORM, DB2, PostgreSQL, MongoDB, AWS, EC2, DynamoDB, S3, Lambda, ECR, ECS, Git, GitHub, Docker, Kubernetes, Jenkins, Ansible, Terraform, GitHub Actions, ArgoCD

## Projects

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### End-to-End CI/CD Pipeline Implementation

- Implemented a Jenkins pipelines for automated building, testing, deploying a applications on AWS EKS Cluster.
- Integrated security checks using SonarQube for code analysis, OWASP Dependency Check Maven plugin for vulnerability scanning, and Trivy for container image scanning.
- Implemented deployment on AWS EKS Cluster using ArgoCD GitOps approach, enhancing version control and rollback capabilities.
- Orchestrated Jenkins-triggered automated deployments, minimizing manual intervention and reducing errors to enhance efficiency.
- **Tech Stack:** EC2, Jenkins, ArgoCD, EKS, Kubernetes, SonarQube, OWASP Dependency Check, Trivy, Docker, Docker Hub

### Full Stack Goal Tracker

[Link](#)

- Developed a dynamic Goal Tracker web application with React and Recoil for a frontend and Express.js with Node.js for a robust backend.
- Implemented user authentication, real-time updates and delete, and goal management features to enhance user experience and goal-oriented functionalities.
- Utilized MongoDB with Mongoose ORM to establish efficient database connectivity, schema validation, and backend integration.
- Proficient in full-stack development with focus on user experience and goal-oriented functionalities.
- **Tech Stack:** React, Recoil, CSS, Nodejs, Express.js, TypeScript, JWT, Bcrypt, Mongoose ORM, MongoDB

## Education

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St .John's pg College, Hyderabad

2022 Jun - 2024 June

[MCA \(Masters of Computer Applications\)](#)

[CGPA: Pursuing](#)

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networking, Machine Learning, Web Development, Advance Data structures and Algorithms, Software Engineering , Artificial Intelligence.

Aurora Degree College , Hyderabad

2019 Jun - 2022 June

[BCOM \(Computers Applications\)](#)

[CGPA: 7.47 / 10](#)

Relevant Coursework: Databases, c, Object Oriented Programming, Web Development

## Certifications

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- Core JAVA & Data Structures in JAVA Certification by Coding Ninjas
- Full Stack MERN stack developer Certification by 100x Dev