




AMUL DERASARIYA GOUTHAM

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Full-stack software engineer with 6 years of experience in transforming ideas into robust, scalable, and secure software products. Proficient in software development life cycle phases, including requirements gathering, architecture design, coding, testing, and deployment. Adept at leveraging technical expertise and analytical problem-solving skills to deliver high-quality solutions.

EDUCATION

- **Stevens Institute of Technology**, Hoboken, NJ, USA
 - MS in Computer Science
 - Sept 2022 - December 2023
- **The National Institute of Engineering**, Mysore, KA, IN
 - B.Tech in Computer Science
 - Sept 2012 - Aug 2016

SKILLS

- **Languages:** Javascript / TypeScript, Java, Python, Dart
- **FrameWorks:** React.js, Spring, Node.js, Tensorflow, Pytorch, GraphQL
- **Mobile App:** Android, React Native, Flutter
- **Database:** Oracle SQL, Postgres, MongoDB, neo4j, Redis
- **DevOps:** Kubernetes, Docker, AWS, EC2, ECR, IAM, OCI, GCP, Azure, Webpack 5

EXPERIENCE

Walmart Global Tech, Bangalore, KA, IN

Nov 2020 - Aug 2022

Software Engineer III

- Engineered and implemented user-centric products and platforms using modern web development technologies such as React, GraphQL, and Node.js.
- Led the rapid development of a self-service analytics platform, enabling business users to gain insights through interactive data visualizations.
- Built a micro-frontend architecture using Webpack 5 and module federation, enhancing modularity and scalability.
- Authored reusable React components and libraries, accelerating development velocity by 25%.
- Collaborated closely with cross-functional teams, including product managers and designers, to translate business requirements into effective technical solutions.
- Mentored and trained junior engineering team members, promoting best coding practices and fostering a culture of continuous learning.

Oracle, Bangalore, KA, IN

Apr 2019 - Nov 2020

Senior Application Developer

- Contributed to the development of "Higher Education," a cloud application aimed at enhancing the teaching experience for higher educational institutions globally by promoting student success and institutional sustainability.
- Developed a robust and intuitive user interface using Oracle JET, React, and Knockout.js, ensuring a seamless user experience.
- Designed and implemented an optimized relational database architecture for efficient data management and enhanced performance.
- Ensured high availability and fault tolerance by designing and implementing comprehensive testing strategies, including unit tests, integration tests, and load tests.
- Mentored and trained junior engineering team members, fostering best coding practices and professional growth.

Oracle, Bangalore, KA, IN

Aug 2016 - Apr 2019

Application Developer

- Built a resilient and scalable backend using Java, Oracle SQL, and Oracle ADF to support complex system logic and ensure system reliability.
- Led an initiative to refactor the codebase, enhancing the ability to add new features. Removed approximately 4,000 lines of redundant code, modularized, and streamlined the backend application.
- Optimized database queries and indexing, reducing query execution time by 20% and enhancing data retrieval efficiency.

INTERNSHIP AND VOLUNTEERING

The Citizen Project, Roosevelt Island, NY, USA

May 2024 - Present

Frontend Developer

Stevens Institute of Technology, Hoboken, NJ, USA

Sept 2023 - Dec 2023

Graduate Teaching Assistant

Larsen & Toubro Infotech, Mysore, KA, IN

Jul 2015 - Aug 2015

Software Intern