Raghu Raj Sodani

Senior Frontend Engineer specializing in React, TypeScript, and GraphQL-driven web applications

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Experience

Software Development Engineer — May 2024 - now
Amazon – Identity Services / CS Stores Fixed Corporate

- Architected and delivered end-to-end customer service landing page using React frontend with TypeScript and Spring-based backend, integrating GraphQL data sources to serve ~100K daily users and significantly reduce support contacts through improved self-service capabilities
- Designed GraphQL schemas and implemented Order Cancellation flow for voice bot integration, serving 10K customers daily worldwide with seamless RESTful and GraphQL API integration
- Led JDK17 migration campaign across 28 packages, conducting thorough code reviews and ensuring best practices across cross-functional teams

Software Development Engineer — Nov 2023 - May 2024
MAQ Software

- Led complete migration of FasttrackBI Portal from legacy AngularJS to modern React with TypeScript, improving maintainability and developer efficiency
- Optimized web application performance by 30% through React virtual DOM implementation and query optimization, significantly improving user experience for data-intensive reporting features

Software Development Engineer Intern — January 2023 - June 2023
Amazon – CS Stores Fixed Corporate

- Developed GraphQL APIs and React-based UI components, reducing latency and improving frontend-backend integration efficiency
- Built responsive file upload feature using React and vanilla JavaScript, following modern frontend best practices and ensuring cross-browser compatibility

Projects

ISRO Safe Ship Nav | *React.js, Django-RestAPI, Python*

- Engineered React-based visualization interface for ISRO's geo-spatial dataset, implementing optimal path algorithms for maritime navigation with real-time performance optimization

Education

B.Tech in Computer Science & Engineering — August 2019 – May 2023
Indian Institute of Information Technology, Vadodara
CPI: 8.1/10

Publications

Raghu R., Novarun D., Swasti K. et al. *An Optimization Ontology for Goal Modelling Frameworks* (Accepted at IDAMS, 2022).

Skills

Programming Languages: JavaScript, TypeScript, HTML, CSS, Python
Frameworks & Libraries: React, Redux, Node, Express, Spring/SpringBoot, Jest
Cloud Services: AWS Lambda, AWS S3, AWS DynamoDB, AWS Cloudfront
Databases: GraphQL, PostgreSQL, MongoDB
Other Skills: RESTful APIs, Performance Optimization, Code Reviews, CI/CD Pipelines, Agile Development

Achievements

- **INMO 2019 Scholar** – Indian National Mathematics Olympiad
- **FileCoin** track winners of Hackathon organised by Devfolio
- **Codechef: 5 star** (max rating 2040)