

# Raghu Raj Sodani

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## SUMMARY

Software Engineer with 2.5+ years delivering high-quality, scalable software products serving 100K+ users. Proficient in Python, Java, and React with strong knowledge of data structures, algorithms, and object-oriented design patterns. Experienced in automated testing frameworks (JUnit), CI/CD pipelines, and performance optimization. Track record of owning features from design through delivery with emphasis on clean architecture, reliability, and production readiness.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C++, SQL

**Frontend Frameworks:** React, Redux, HTML5, CSS3, modern UI development

**Backend & OOP:** Java, Spring/SpringBoot, Python, Django, REST APIs, GraphQL, design patterns

**Testing & Quality:** JUnit, Selenium, Jest, automated testing, CI/CD pipelines, Jenkins, GitHub Actions

**Cloud & Tools:** AWS (Lambda, S3, RDS, DynamoDB), Docker, Git, Unix/Linux, IDEs, debuggers, profilers

## EXPERIENCE

### Software Development Engineer

May 2024 – Present

*Amazon*

*Hyderabad, India*

- Design and develop scalable, maintainable, reusable software components serving 100K+ daily users with strong emphasis on performance, reliability, and production readiness
- Collaborate with product managers to translate requirements into well-architected solutions, owning features from design through delivery and ensuring intuitive user experiences using React and modern frameworks
- Integrate automated testing into development workflows using JUnit and CI/CD pipelines (Jenkins), ensuring consistent quality across releases through comprehensive test strategies covering functional, regression, and integration aspects
- Participate in design and code reviews ensuring best practices in performance, maintainability, testability, and clean architecture; foster culture of continuous learning and knowledge-sharing across team
- Troubleshoot complex distributed systems and optimize performance across full stack, leveraging strong knowledge of data structures, algorithms, and object-oriented design patterns

### Software Development Engineer

Nov 2023 – May 2024

*MAQ Software*

*Hyderabad, India*

- Contributed to design and implementation of new features while enhancing existing product capabilities, delivering high-quality maintainable code with focus on software quality principles
- Achieved 30% performance optimization through algorithmic improvements and design pattern implementation, demonstrating strong understanding of performance tuning and system optimization
- Developed comprehensive test strategies and integrated automated testing frameworks into CI/CD pipelines, promoting culture of engineering craftsmanship and quality practices

### Software Development Engineer Intern

Jan 2023 – Jun 2023

*Amazon*

*Remote*

- Built scalable software components using Java Spring and React, developing automated tests and participating in code reviews
- Worked with modern development tools including IDEs, debuggers, source control (Git), and Unix-based systems

## PROJECTS

### ISRO Safe Ship Navigation | *Python, React, Django REST API, PostgreSQL*

2022

- Designed and implemented scalable navigation system with focus on performance optimization, implementing complex algorithms optimized for efficiency and reliability

## EDUCATION

### Indian Institute of Information Technology, Vadodara

Vadodara, India

*Bachelor of Technology in Computer Science & Engineering, CPI: 8.1/10*

*Aug 2019 – May 2023*

## TECHNICAL EXCELLENCE & PROBLEM SOLVING

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- **Strong Algorithms Foundation** - Codechef 5 star rating demonstrating expert knowledge of data structures, algorithms, and complex problem-solving abilities
- **Published Research** - Optimization algorithms paper at IDAMS 2022, Springer Lecture Notes, showcasing research and innovation mindset
- **Continuous Learning** - INMO 2019 Scholar, strong mathematical and analytical foundation supporting software engineering excellence