

Raghu Raj Sodani

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SUMMARY

Software Development Engineer with 2.5+ years owning end-to-end design and architecture of complex systems serving 100K+ users. Strong technical aptitude with CS fundamentals, algorithms, and data structures (Codechef 5 star). Proficient in Java with Spring/SpringBoot, system design, and databases. Experienced in driving best practices, code reviews, and collaborating with cross-functional teams in agile environments.

TECHNICAL SKILLS

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

Backend & Frameworks: Java, Spring/SpringBoot, Node.js, Express, REST APIs, GraphQL

Databases: PostgreSQL, MongoDB, MySQL, DynamoDB, database design & optimization

Cloud, Tools & Platforms: AWS (Lambda, RDS, S3, DynamoDB), Git, Jenkins, CI/CD, Docker, Linux/Unix

Core Skills: Algorithms, Data Structures, OOP, Design Patterns, System Design, Code Reviews

EXPERIENCE

Software Development Engineer

May 2024 – Present

Amazon

Hyderabad, India

- Owned end-to-end design and architecture of customer service system using Spring-based backend with GraphQL APIs, serving 100K+ daily users across distributed systems with high scalability and reliability
- Designed comprehensive data models and low-level class design for Order Cancellation flow, implementing object-oriented design patterns and serving 10K+ customers daily with RESTful and GraphQL API integration
- Architected data pipeline from DynamoDB to Data Lake with transformation and validation layers, applying algorithms for data integrity and optimization across complex distributed systems
- Led JDK17 migration across 28 packages, driving adoption of best practices through code reviews, design discussions, and technical guidance to cross-functional teams following agile SDLC

Software Development Engineer

Nov 2023 – May 2024

MAQ Software

Hyderabad, India

- Owned architecture and implementation of enterprise application migration, translating business requirements into technical design and creating scalable solutions for complex system
- Optimized application performance by 30% through efficient algorithms, data structure implementation, and database query optimization, demonstrating strong problem-solving and technical aptitude
- Participated in design reviews, code reviews, and collaborated with product teams in agile environment

Software Development Engineer Intern

Jan 2023 – Jun 2023

Amazon - CS Stores Fixed Corporate

Remote

- Developed backend APIs with Java Spring framework and GraphQL queries, integrating frontend with data layer and reducing latency while efficiently resolving consumer queries
- Built responsive file upload feature using React and JavaScript, working with databases on Linux platform
- Collaborated with cross-functional teams following SDLC practices and driving on-time deliveries

PROJECTS

ISRO Safe Ship Nav | *Python, Django, PostgreSQL, Algorithms*

2022

- Designed and implemented navigation system architecture using Python with Django backend, PostgreSQL database design, and graph-based pathfinding algorithms optimized for space and time complexity

EDUCATION

Indian Institute of Information Technology, Vadodara

Vadodara, India

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

Aug 2019 – May 2023

ACHIEVEMENTS & TECHNICAL EXCELLENCE

- **Codechef 5 Star** (Rating: 2040) - Top 0.5% globally, demonstrates expert-level algorithms and data structures knowledge
- **INMO 2019 Scholar** - Indian National Mathematics Olympiad, strong CS fundamentals and problem-solving
- **Published Research** - Optimization algorithms paper accepted at IDAMS 2022, Springer Lecture Notes