

RAGHU RAJ SODANI

Full-Stack Developer | Python, TypeScript, JavaScript

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Professional Summary

Full-stack developer with 4+ years of experience in Python, JavaScript, and TypeScript. Proven expertise in building scalable systems serving 100K+ users, optimizing performance, and collaborating with cross-functional teams and researchers to deliver innovative AI-driven solutions.

Experience

Software Development Engineer

May 2024 – Present

Amazon, Hyderabad, India

- Engineered data pipeline architecture integrating business intelligence for optimized data transfer between DynamoDB and Amazon Data Lake, ensuring data accuracy and transformation efficiency
- Developed full-stack customer service platform using React, TypeScript, and GraphQL, serving 100K+ daily users with measurable business impact reducing customer contacts by 12.7%
- Implemented automated voice interaction system with scripting and algorithms handling 10K+ daily user queries with intelligent response mechanisms
- Led cross-functional JDK17 migration across 28 packages, maintaining stakeholder communication to align technical solutions with organizational goals

Software Development Engineer

Nov 2023 – May 2024

MAQ Software, Hyderabad, India

- Spearheaded full-stack migration from legacy AngularJS to modern React with TypeScript, optimizing code functionality and operational efficiency
- Achieved 30% performance improvement in data-heavy operations through algorithmic optimization and efficient query resolution
- Collaborated with stakeholders to document issues, troubleshoot problems, and deliver solutions ensuring accurate output validation

SDE Intern

Jan 2023 – Jun 2023

Amazon, Hyderabad, India

- Developed Spring-based APIs and GraphQL queries optimizing code functionality and reducing latency significantly
- Created responsive UI components using React and JavaScript for enhanced user interaction mechanisms
- Documented comprehensive troubleshooting guides for system maintenance and issue resolution

Research & Projects

Maritime Navigation System (ISRO Collaboration)

Python, Django, React.js

- Engineered Python/Django-based system collaborating with ISRO researchers to deliver optimal deep-sea route planning
- Implemented geospatial algorithms and data analysis for intelligent path optimization using mathematical modeling
- Developed interactive React.js dashboard delivering impactful insights through real-time visualization

Technical Skills

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

Frontend: React.js, Redux, HTML/CSS

Backend: Django, Spring Boot, Node.js, Express

AI/ML: TensorFlow, Keras, NumPy, Pandas

Cloud & Data: AWS (S3, DynamoDB, Lambda), GraphQL, PostgreSQL, MongoDB

Tools & Practices: Git, Docker, Code Reviews, Agile, CI/CD

Education

B.Tech in Computer Science Engineering

Aug 2019 – May 2023

Indian Institute of Information Technology, Vadodara

GPA: 8.1/10

Achievements & Recognition

- **INMO 2019 Scholar** – Indian National Mathematics Olympiad (demonstrates analytical and problem-solving excellence)
- **CodeChef 5-Star** – Rating 2040, Top 0.5% globally in competitive programming
- **Research Publication** – IDAMS 2022, Springer (Optimization Ontology for Goal Modelling Frameworks)