Raghu Raj Sodani

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SUMMARY

Full-stack developer with 4+ years of experience in Python, JavaScript, and TypeScript. Proven expertise in building scalable AI-driven solutions serving 100K+ users, optimizing performance through algorithmic improvements, and collaborating with cross-functional teams and researchers. Strong problem-solving abilities (CodeChef 5-star) with published research in optimization algorithms.

TECHNICAL SKILLS

Programming Languages: Python, TypeScript, JavaScript, Java, C++, SQL
Frontend Technologies: React.js, Redux, HTML, CSS, Responsive Design
Backend Frameworks: Django, Spring Boot, Node.js, Express, REST APIs, GraphQL
AI/ML Libraries: TensorFlow, Keras, NumPy, Pandas, Scikit-learn
Databases & Cloud: PostgreSQL, MongoDB, DynamoDB, GraphQL, AWS (S3, Lambda, DynamoDB)
Tools & Practices: Git, Docker, AWS CDK, CI/CD, Code Reviews, Agile, Documentation

EXPERIENCE

Software Development Engineer — May 2024 – Present
Amazon — *Hyderabad, India*

- Engineered data pipeline architecture integrating business intelligence for optimized data transfer between DynamoDB and Data Lake, implementing transformation and validation layers ensuring data accuracy
- Developed full-stack customer service platform using React, TypeScript, and GraphQL serving 100K+ daily users, reducing customer contacts by 12.7% through enhanced self-service capabilities
- Implemented automated voice interaction system with scripting and algorithms handling 10K+ global 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

Software Development Engineer Intern — Jan 2023 – Jun 2023
Amazon — *Hyderabad, India*

- Developed Spring-based APIs and GraphQL queries optimizing code functionality and reducing latency
- Created responsive UI components using React and JavaScript for enhanced user interaction mechanisms

RESEARCH & PROJECTS

ISRO Maritime Navigation System | *Python, Django, React.js* — 2022

- Engineered Python/Django-based system collaborating with ISRO researchers for optimal deep-sea ship route planning, delivering impactful insights through data-driven decision making
- Implemented geospatial algorithms analyzing depth and wave patterns for intelligent path optimization

EDUCATION

Indian Institute of Information Technology, Vadodara — Vadodara, India
Bachelor of Technology in Computer Science & Engineering, GPA: 8.1/10 — *Aug 2019 – May 2023*

Achievements & Recognition

- **CodeChef 5-Star** (Rating 2040) - Top 0.5% globally, demonstrating strong algorithmic problem-solving abilities

- **INMO 2019 Scholar** - Indian National Mathematics Olympiad, analytical and mathematical problem-solving excellence

- **Published Research** - Optimization Ontology paper at IDAMS 2022, Springer, demonstrating research collaboration capabilities

- **FileCoin Track Winner** - Devfolio Hackathon, innovative solution development