Raghu Raj Sodani

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SUMMARY

Backend Software Engineer with 2.5+ years designing and implementing scalable, distributed systems serving 100K+ daily users. Strong programming experience with Java, Python, and JavaScript with proven ability to learn new languages quickly. Experience with cloud computing (AWS), Docker, relational and NoSQL databases, and full product development lifecycle. Adept at solving complex technical problems in high-traffic services with strong collaboration and communication skills.

TECHNICAL SKILLS

Programming Languages: Java (2.5+ yrs), Python, JavaScript/TypeScript, C++, SQL
Backend & Distributed Systems: Java Spring/SpringBoot, Node.js, REST APIs, GraphQL, microservices
Cloud & Infrastructure: AWS (EC2, Lambda, S3, RDS, DynamoDB, ElastiCache), Docker, cloud-native
Databases: PostgreSQL (relational), MongoDB (NoSQL), MySQL, DynamoDB
DevOps & Tools: Jenkins, CI/CD pipelines, Git, automated testing, Unix/Linux systems

EXPERIENCE

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

- Design brand new scalable backend services covering storage, application logic, and management systems, serving 100K+ daily users with high performance and stability requirements similar to online gaming services
- Enhance and add features to existing distributed systems, optimizing performance and scalability of server systems through efficient algorithms and architecture improvements
- Maintain suite of automated tests (JUnit) validating correctness of backend services, integrated into CI/CD pipelines (Jenkins) covering full product cycle from design and testing to deployment and LIVE environment support
- Collaborate with engineers across teams to deliver next-generation features, working through complete product development lifecycle including requirement definition, development, test, and product release
- Advocate for best practices within engineering team and work with product managers to improve features supporting business objectives

Software Development Engineer — Nov 2023 – May 2024
MAQ Software — *Hyderabad, India*

- Designed and implemented scalable backend systems with focus on performance optimization, achieving 30% improvement through stress testing, performance tuning, and optimization techniques
- Worked with relational databases (SQL) and cloud infrastructure, researching and selecting best-of-breed technologies to meet challenging requirements in high-traffic environment
- Participated in full product development lifecycle with strong collaboration across teams, demonstrating self-starter mentality and ability to operate with autonomy

Software Development Engineer Intern — Jan 2023 – Jun 2023
Amazon — *Remote*

- Developed backend services using Java Spring framework with focus on scalability and distributed system design
- Built automated testing suites and worked with AWS cloud services and Docker containerization

PROJECTS

ISRO Safe Ship Navigation | *Python, Django REST API, PostgreSQL, Distributed Systems* — 2022

- Designed and implemented scalable backend service with complex algorithms for real-time navigation, optimizing performance for high-traffic usage with focus on reliability and low latency

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

- **Strong Problem-Solving** - Expert in algorithms, data structures, and complex system design with proven ability to solve challenging technical problems

- **Published Research** - Optimization algorithms paper at IDAMS 2022, Springer, demonstrating research mindset and technical depth

- **Fast Learner** - Track record of quickly mastering new technologies, languages, and frameworks as demonstrated by diverse tech stack