Sai Kiran Dasari

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SUMMARY

Software Engineer with extensive backend experience and a strong foundation in scalable system development. Expertise includes developing, debugging, and enhancing software architecture for robust, user-focused applications. Proven ability to deliver performance improvements and seamless integrations in Agile environments, leveraging Java, Spring Boot, and modern microservices principles.

EDUCATION

University of North Texas, Denton   Jul 2025 - Dec 2026
Master of Science, Computer Science

National Institute of Technology Warangal(NITW)   Jul 2018 - May 2022
Bachelor of Technology, Computer Science

EXPERIENCE

Oracle   Oct 2024 - Aug 2025
Software Engineer
- Engineered the Functional Setup Manager (FSM) to oversee end-to-end setup and maintenance across diverse products, facilitated the transition from a monolithic architecture to micro frontends while proposing refinements to enhance overall system design.
- Optimized coding techniques by reducing redundant API calls, boosting page response by 60% and significantly cutting load times.
- Collaborated cross-functionally to deliver solution development, technical support, and continuous system improvements.
- Developed and maintained scalable microservices using Java and Spring Boot, integrating robust API development practices and adhering to backend architecture best practices.
- Designed and built over 15 user interfaces from inception, incorporating hierarchical task flows, faceted search, responsive cards, and analytics reports using frameworks such as OJET, Knockout.js, and REST APIs.

Amdocs   Jul 2022 - Oct 2024
Software Developer
- Contributed to the NextG - IPAAS project by bridging legacy and modern systems, emphasizing robust API integration and backend efficiency.
- Architected microservices to convert Digital One product orders into UPC requests for the Order Management System, integrating architectural enhancements for improved system interoperability.
- Implemented microservices solutions with Java Spring Boot to standardize legacy system orders, leveraging effective API development practices.
- Collaborated within Agile Scrum teams through active sprint planning, code reviews, and iterative development cycles.
- Utilized Git version control and Jenkins CI/CD pipelines to streamline code integration and deployment.
- Enhanced application reliability and responsiveness by refining data structures and optimizing caching mechanisms.

PROJECTS

Deep Residual Network for Grayscale Image Colorization   Jan 2022 - May 2022
- Designed and implemented a deep residual neural network to colorize grayscale images using TensorFlow and Keras.
- Leveraged residual connections to improve learning of complex mappings between grayscale and colour channels.
- Achieved 95% accuracy in colour prediction and reduced error rate by 15% compared to baseline models.
- Utilized Python, OpenCV, and NumPy for data preprocessing and model training on large labelled datasets.

SKILLS

- **Coursework**: Data Structures and Algorithms, Database Management System, Object Oriented Programming, Software Engineering, Data Science, Computer Networks, Software Architecture, Container Architectures, Operating Systems
- **Programming Languages**: Java, C++, Javascript, SQL
- **Frameworks & Tools**: Spring Boot, Microservices Architecture, REST APIs, Swagger/OpenAPI, JUnit, Postman
- **Development**: ReactJS, KnockoutJS, OracleJavaScriptExtention Toolkit (OJET), HTML, CSS, jQuery, Git, SDLC, Jira, Debugging, Design Specifications, Kubernetes (OpenShift), Jenkins CI/CD, Docker
- **Databases & Caching**: PostgreSQL, MySQL, Redis
- **Methodologies**: Agile Scrum, Cross-functional Collaboration, Continuous Integration & Deployment (CI/CD)
- **Competitive Coding**: 4 star coder - Code chef (max-rating: 1933), Specialist - Code forces (max-rating: 1562)
- **Soft Skills**: Clear Communicator, English Proficiency

ACHIEVEMENTS

- **JEE Mains National Rank:** Secured All India Rank (AIR) 2,500 out of 1.2 million candidates in JEE Mains, one of India's most competitive engineering entrance examinations.
- Recognized by managers and peers for sustained high performance, quarter after quarter, across diverse projects.