Manoj Shetty K
Senior Software Engineer

Senior Software Engineer with over 2.8 years in the industry. Proficient in developing software solutions to boost efficiency and productivity. Recognized for adept problem-solving and creating fresh solutions. Excellent at communication and teamwork, adept at collaborating with diverse teams. Committed to delivering high-caliber code and surpassing client needs.

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WORK EXPERIENCE

Senior software engineer
Knowledge Lens: A Rockwell Automation Company

08/2021 - Present   *Bengaluru, India*

Achievements/Tasks

- Developed RESTful APIs using Python FastAPI
- Designed and implemented database schemas and queries in PostgreSQL, ensuring optimal performance and data integrity.
- Utilized Elasticsearch for efficient search functionality and implemented relevant indexing strategies. Redis as a caching layer to improve application performance and reduce latency.
- Collaborated with the team using Jira to manage project tasks, track progress, and ensure timely delivery. Actively participated in Agile ceremonies, contributing to sprint planning, stand-ups, and retrospectives.
- Conducted code reviews and provided constructive feedback to enhance code quality and maintainability.
- Implemented security best practices, including input validation, encryption, and adherence to security standards, to safeguard applications against potential vulnerabilities.

PROJECTS

FT-BPA (05/2024 - Present)
- Handling Backend Development using Python.

Digital Tech Transfer (09/2021 - 05/2024)
- Predominantly worked as a Backend Developer in Digitizing the hard copy of pdf and segregating its content to generic structure - ISA88 , B2MML.
- Developed a scalable RESTful API using Python FastAPI to facilitate real-time data processing and analysis.
- Implemented authentication and authorization mechanisms to ensure data security. PostgreSQL database for storing and retrieving large datasets efficiently.
- Integrated Redis as a caching layer for storing authentication tokens to improve application performance and reduce latency. Utilized Elasticsearch for storing structured json.
- Handled Deployment of application using azure Kubernetes

Market Research Analytics (05/2021 - 08/2021)
- Handling Backend - Design and development of a Microsoft word add-in

Survey Automation Tool (03/2021 - 05/2021)
- Survey document highlight mechanism using Python.
- MongoDB database for storing and retrieving large datasets efficiently.

EDUCATION

Bachelor of Engineering
Vivekananda College of Engineering & Technology, Puttur

2017 - 2021   *Puttur*

Courses

- Bachelor of Engineering In Computer Science
- CGPA: 8.65

SKILLS

Programming Languages: Python, C, C++,HTML/CSS

Databases: MySQL, PostgreSQL, MongoDB, Elasticsearch, Redis

Frameworks: FastAPI, Flask

Cloud Platforms: Microsoft Azure

Agile Methodologies: Scrum, Kanban

Strong problem-solving and debugging skills Excellent communication and collaboration abilities

Innovative and Creative Thinking

ACHIEVEMENTS

Honorable Mention award in Genius Olympiad - Oswego, NY
Represented Team India and received an Honorable Mention award at the Genius Olympiad 2014 held at Oswego University, New York

Budding Star - 2023
Recognition received from Knowledge Lens, a Rockwell Automation Company, for dedication and initiative taken at work

LANGUAGES

English
Full Professional Proficiency

Hindi
Limited Working Proficiency

Kannada
Native or Bilingual Proficiency

INTERESTS

Photography   Art - Painting
Creative writing   Star Gazing