Sanket Raut

Software Developer

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PROFILE

Dedicated Software Engineer with over 3 years of software development experience and a solid computer science foundation. Skilled in writing functional and efficient code while designing and optimizing backend systems, APIs, and data workflows. Proficient in Java, Python, Node.js, Neo4j, and microservices, with a proven track record of delivering scalable and high-performing solutions.

PROFESSIONAL EXPERIENCE

AquaExchange Agritech, *Software Developer*   Aug 2024 – present | Hyderabad

- Developed advanced **GraphQL API**s using **Node.js and Neo4j**, leading to a **25% improvement** in data retrieval efficiency.
- Focused on backend development & API integration to improve operational efficiency for agrotech solutions.
- Designed and implemented **RESTful API**s using **Java and SpringBoot** to support critical business processes, ensuring seamless communication between backend systems and interfaces.
- Optimized backend operations, reducing server response times by 30% and improving the overall system.
- Created comprehensive documentation for development processes and setup, streamlining onboarding and providing a reference guide for future developers.

Masaheb Infotech, *Software Engineer II*   Apr 2023 – Jul 2024 | Pune

- Developed a reward-based system, "Pay with Points," enabling real-time processing of transactions and enhancing user **engagement by 15%.**
- Improved **database** query execution times **by 20%** through efficient indexing & **optimization** techniques.
- Developed web forms and backend components in **Java** focused on architectural integrity and database connectivity.
- Identified and fixed bugs, reducing overall defect count by 30% during the project cycle.

Datametica Solutions, *Associate Engineer*   Oct 2021 – Apr 2023 | Pune

- Investigated and mapped the lineage flow of ETL entities within the database, visualizing relationships and data paths using Neo4j.
- Designed and implemented the "Path Finder" feature to accurately track and analyze data flow between database tables, enhancing data visibility and decision-making.
- Optimized data lineage tracking processes, enabling more efficient debugging and analysis of data transformations.
- Consistently maintained the latest source data, ensuring the team had access to up-to-date resources.

SKILLS

Java • NodeJs • JavaScript • ExpressJs • SpringBoot • GraphQL • Shell Script •

Hibernate • Microservices • MySQL • MongoDB • Neo4j • BigQuery •

Data Structures and Algorithms (DSA) • REST APIs • CI/CD Pipelines • Git • Jira • Docker •

Maven • JUnit • Kubernetes

AWARDS

Clean Coding Competition, *Datametica Solutions*   15 Nov 2022
Won 1st prize in Clean Coding Competition

ORGANIZATIONS

Coordinator of Tectonic, *Management Head*   Pune
Tectonic is an annual technical festival at Sinhgad College

PROJECTS

NextFarm Dashboard   Dec 2024 – present
Built an application that visualizes the data from neo4j sources of Harvest Management tool to show
the cultivation status, stocking data, also feeding, netting, and other critical operations of farming

Harvest Management   Sep 2024 – Nov 2024
Developed an end-to-end platform to monitor crop yield, farmer data, farm conditions,
harvesting/storage, and supply chain, providing real-time insights and data integration to enhance
agritech efficiency

COURSES

Data Structure and Algorithms, *Scaler Acadamy*   Aug 2022 – Sep 2023
Learned Spring Boot, High-Level, and Low-Level Design, Multithreading for scalable systems, and
worked with full-stack technologies including React and RESTful APIs.

Master the Fundamentals - NodeJS Certification,
Scaler Acadamy
Learned event-driven architecture, file handling, and networking in Node.js, enhancing skills in
building scalable, efficient backend applications

EDUCATION

Sinhgad College of Engineering, *Bachelor of Engineering*   Aug 2018 – Jul 2021 | Pune
(BE) in Computer Science - 7.79 CGPA

Jayawantrao Sawant Polytechnic,   Aug 2016 – Jun 2018 | Pune
Diploma in Computer Science - 69.94