

SANGAMESHWAR MELKUNDE

Full-Stack Engineer (Java+React+Angular)

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [Medium](#) | [Leetcode](#)

PROFESSIONAL SUMMARY

Result-driven Software Engineer with over **4 years** of experience in professional corporate business, **leading a team** of 10 people and collaborating with cross functional team and managing **multiple assets**.

WORK EXPERIENCE

Cognizant Technology Solutions

Pune, MH

Software Engineer (Domain – Banking & Finance) | Spring boot, Angular, Hibernate, Azure, design patterns

Sept 2021 – Present

- Developed a data crawling system in **Python**, leveraging the **multiprocessing** library to achieve a **400%** acceleration in data retrieval, resulting in more than **100,000** items daily from competitors for price matching.
- Implemented **20+** REST APIs using Kafka to automate the daily crawling job, enhancing data retrieval efficiency results into cost reduction of **100\$**.
- Analysed a history price tracking feature using Java, Spring Boot, and React.js, enhancing analytical capabilities. Tracked price changes for over 1,000 products, resulting in a **15% increase** in sales by optimizing pricing strategies.
- Designed and implemented a highly scalable and fault-tolerant microservices architecture using Spring Boot, leveraging non-blocking, asynchronous communication patterns to achieve a 50% improvement in throughput and a 30% reduction in latency.
- Utilized in-memory caching with technologies like Redis and Caffeine to further improve performance, resulting in a 40% reduction in database query response times..
- Analysed a history price tracking feature using Java, Spring Boot, and React.js, enhancing analytical capabilities. Tracked price changes for over 1,000 products, resulting in a **15% increase** in sales by optimizing pricing strategies.
- Collaborated with cross-functional teams including QA, product management, and operations to deliver projects on time and within.
- Implementing security best practices such as using strong encryption, securing endpoints, and validating inputs can help mitigate vulnernt.
- Developed a data integration portal for the financial team using **React.js, Node.js, and Express.js** to format essential data and store in **Google Cloud Storage and BigQuery APIs**, reduced complexity and manual workload by **60%**.
- Reduced database load by 40%** through strategic implementation of query **caching and optimization** for high-frequency endpoints, significantly improving application performance and scalability.
- Tech Tools:** Microservices, Kafka, Stream API, ELK, Azure Pipeline, AWS CloudFront, MySQL,,

MR. Serviceman Pvt Ltd

Aurangabad, MH

Software Engineering Intern

Dec 2023 – March 2024

- Utilized **.NET, Xamarin, C#, and JavaScript** to develop a mobile application for manicurists, enabling them to manage customer records, track income, and store design references. Supporting both **iOS and Android** platforms.
- Designed a customized online ordering website integrated with the POS System, **increasing revenue, reducing staff costs around 10%**, and optimizing in-store capacity for the associated restaurant.

PROJECTS

Retail Banking | *Redis, Kafka, system design*

[GitHub/retail_bank](#)

April 2022 – May 2023

- Improved a menu system supporting multiple save slots, players, and world themes, enhancing user engagement by 30%.
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- Engineered a Save/Load feature that enabled users to seamlessly persist and resume game states, resulting in a 40% increase in player retention rates over one month following implementation.

Multi-Services Portal | *WebSocket, multi-auth, redux, Oath2,*

[GitHub/retail_bank](#)

Jan 2023 – May 2023

- Built a motorized robot car with voice command control, achieving 90% accuracy in voice recognition.
- Integrated frontend web development with backend databases, improving site load times by 30% and enhancing user engagement metrics, resulting in a significant 15% increase in online transactions within three months.

SKILLS/EXTRACURRICULAR ACTIVITIES

- Languages:** Java, Python, JavaScript, SQL, Typescript, NodeJs, HTML, CSS
- Libraries/Farmwork/Tools:** AWS Cloud Storage, Big Query, Flask, Git/GitHub, Google Cloud Storage, Pandas, Pub/Sub, React.js, Redux
- Backend:** Spring MVC, Spring boot, REST API, Graphql, WebSocket, Microservices
- Frontend:** React, MongoDB, Firebase, Redis
- DevOps:** MySQL, MongoDB, Firebase, Redis
- DevOps:** MySQL, MongoDB, Firebase, Redis

CERTIFICATIONS/COURSES

- AWS:** AWS Solution Architect, AWS Developer Associate
- Azure:** AZ400 Designing solutions on azure DevOps, AZ204 developer
- Udemy:** Reactive Redis Masterclass for Java Spring Boot Developers, Jenkins Advance, Kaka masterclass, System design

ING Hackathon-Beyond Delivery: Innovative GenAI Idea for KYC

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ACHIEVEMENTS & AWARDS

Employee of the Month, Security Champion, Git Master, GenC honour, Outstanding Performance award

EDUCATION

Government College Of Engineering, Jalgaon

Bachelor of Technology in Computer Sciences (CSE)

Aug 2017 – June 2021

Jalgaon, Maharashtra