

# Mallikarjun Kole

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## Personal Profile

- Proven expertise in systems analysis, object-oriented design, software development, and Agile/Scrum methodologies.
- Hands-on experience building microservices architectures with the Spring Framework, RESTful APIs, and SQL/NoSQL databases, ensuring seamless integration and scalability.
- Adept at driving business value, process optimization, and development efficiency through agile system design and modern DevOps practices.
- Skilled in end-to-end project delivery, collaborating with cross-functional teams to translate business requirements into robust, production-ready solutions.

## Key Skills

**Languages:** Java, SQL

**Framework:** Spring, Hibernate, JPA, Apache Maven

**Database:** Oracle, MySQL, NoSql, Hibernate, PostGres.

**Server:** Apache Tomcat.

**Web service Testing Tools:** Postman, Swagger, SoapUI.

**Other Skills:** JSON, XML, AJAX, Networking protocols[TCP/IP, HTTP], Linux/Unix, YML, LOG4J, Kafka, Jira, Trello, GIT, Bitbucket, Jasper report, Spock, Groovy, Gradle, Database Migrations with Flyway, Map Struct

**Cloud Services:** Proficient in using the key services offered by AWS services-EC2, S3 Bucket, Azure Storage, Azure Message Service Queue/Bus

**SDLC Methodology:** Agile, WaterFall.

## Work Experience

**Synechron Financial Services, Pune, India.**

July 2023 - Present

### Senior Associate

- Lead end-to-end design, development, and deployment of scalable Java/Spring Boot applications.
- Provided new development solutions as a Senior Associate for Enterprise Application Group(EAG), improving functionality and user experience along with client support.
- Collaborated with cross-functional teams to define architecture, design patterns, and best coding practices, while actively engaging with Synechron's teams to understand requirements, create tailored functional design documentation and development.
- Manage production issues, perform root cause analysis, and provide quick resolutions.
- Configured existing applications flow / services into newly designed systems.
- Java, Spring Boot, Microservices, Git, Lombok, RDBMS / NOSQL, Third Party API integration, Jenkins

**Programmers.IO India PVT LTD, Pune, India.**

September 2022 - July 2023

### Senior Software Engineer

- Developed RESTful webservices for Amer Care Royal Client (ACR), improving functionality and user experience along with client support.
- Helped stakeholders succeed by actively engaging with the company, understanding needs, and creating functional design documentation tailored to cloud-based solutions.
- Increased software dependability and robustness by using Scenario Tests for TDD, resulting in a decrease in requirements-related problems.
- Reduced code integration time by using Git version management, also reduced duplicate functionality and code for client. Total merge request over 50+ commit the code repo. By integrating Jenkins into the CI/CD pipeline, the time from code commit to deployment was reduced by 25%. Code standard maintained, managing vulnerabilities up to 80% code coverage cross-check by SonarCube.
- Java, Spring Boot, Microservices, Git, Lombok, Map-struct, flyway integration, SonarCube, JPA, Azure Message Queue.

**Software Engineer**

- Developed a cross-currency platform where system allowing users to send money from Europe to South African countries. Designed and implemented secure authentication and encryption mechanisms to protect users' sensitive information with real-time exchange rate integration using API endpoints to provide accurate currency conversion.
- Implemented rule-based solutions with MTN Homeland Business Rule Engines, reducing decision-making time by 30% and improving flexibility.
- Streamlined decision-making, cutting change time by 40%, achieving 25% more consistency, and 15% fewer practical differences.
- Java, Spring Boot, RestTemplate, Git, JPA, Mysql, AWS S3 bucket.

**CDAC Noida, Uttar Pradesh, India**

November 2017 - December 2019

**Software Developer**

- Successfully launched end-to-end system products such as Online System for Medical Devices cdscomd.gov.in
- Contributed to a 25% increase in Medical Device application efficiency and a 20% expansion of the user base.
- Met the specific requirements of clients by overseeing the development of tailored web services within the E-governance platform, ensuring client satisfaction and adherence to project goals.
- Transform large, complex systems into flexible and efficient web services, improving code maintainability by 30%.
- Enhanced Indian Ministry communication and project clarity through active participation in interactions and meetings. Prepared comprehensive service documentation, ensuring a clear understanding of project objectives.
- Ensured a seamless testing and pre-deployment, deployment process, resolving 95% of technical issues during the Deployment phase. Demonstrated proficiency in server handling during both pre-deployment and deployment phases.
- Java ,Spring MVC, Rest API, Git, Apache Tomcat, Java7, STS, Postman, Jasper report, PostgreSql

## Education

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**Centre for Development of Advanced Computing (CDAC Kharghar) | Navi Mumbai, India**

Post Graduate Diploma In Advanced Computing

**Housing Society Management System (PG-DAC Final Project):-** Our project Housing Society Management System comprises of maintaining different societies under one application. This is a Desktop Application which includes the maintenance of members, their dues, bills, receipts, society expenses vouchers, miscellaneous items etc.

- Html, Css, Angular, Electron, Java, Spring boot, JPA, Mysql.

**TKIET Kolhapur | tkietwarana.ac.in | Shivaji University, India**

B.E. in Computer Science and Engineering

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Advanced Database Systems, Advanced Computer Architecture, Web Technologies

## Project Work

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- **JWT Auth (2025)** : Designed and developed a secure backend application to demonstrate authentication and role-based authorization using JWT tokens.
- **Kafka Project (2024)** : Designed and implemented Event-Driven Architecture based project to achieve efficient and reliable solution.

## Awards and Certificates

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- **Introduction to Kafka with Spring Boot** Certified by Udemy in Feb 2024
- **Master Azure Web Apps - Take Java Spring Boot Apps to Azure** Certified by Udemy in Feb 2024
- **Winner of SPOT/STAR award-** March 2024.
- **Post Graduate Diploma In Advanced Computing** Second Grade in Aug 2017, Certified by CDAC, Mumbai, India.