

# KOMAL RANI

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## ABOUT ME

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Passionate software engineer with over 2.9 years of experience in developing and maintaining Java-based applications. Adept in Spring Boot, microservices architecture, and database management. Strong problem-solving skills with a commitment to continuous learning and professional growth.

## EDUCATION

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- **Bachelor of Technology in Computer Science and Engineering**  
Kurukshetra University Haryana, 2016-2020.

## TECHNICAL SKILLS

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- Languages: Java
- Frameworks: Spring, Spring Boot, Microservices Architecture
- Frontend Technologies: HTML, CSS, JavaScript, React
- Databases: MySQL, MongoDB, JPA, JDBC
- Message Brokers: JMS, Kafka
- Cloud Services: AWS
- Containerization: Docker
- Orchestration: Kubernetes
- Project Build Tools: Maven
- Version Control: Git, GitHub
- CI/CD Tools: Jenkins
- Testing Tools: JUnit, Mockito
- Code Quality Tools: SonarQube
- API Tools: Postman, Swagger

## PROFESSIONAL EXPERIENCE

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**Capgemini India Pvt. Limited, Bangalore**  
**Software Engineer** (November 2021 – Present)

- Collaborated with cross-functional teams to migrate legacy applications to modern, scalable tech stacks using **Spring Boot** and **microservices**.
- Led the design and implementation of **RESTful APIs** using a microservices architecture, enhancing communication between distributed systems.
- Improved code quality by integrating **SonarQube** for code analysis, reducing code smells and increasing code coverage by **30%**.
- Implemented message-driven architecture with **JMS** and **Kafka**, optimizing real-time data streaming and communication between services.
- Utilized **JUnit** and **Mockito** for unit testing, achieving thorough test coverage and ensuring robust application performance.

- Created and managed **CI/CD pipelines with Jenkins**, automating the deployment process, reducing manual errors, and speeding up deployment cycles.
- Containerized applications using **Docker** and managed orchestration with **Kubernetes** to ensure seamless deployment and scalability on **AWS** cloud services.
- Participated in **scrum meetings** and provided insights into technical solutions aligned with business goals.
- **Mentored** junior developers, providing guidance on best practices, design patterns, and personal development.
- Debugged complex applications, resolving critical bugs and improving system performance and user experience.

## PERSONAL PROJECTS

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- **Shop Me:** <https://github.com/Komal305/ShopMe>  
**Technology:** Java, Spring Boot, MySQL, Hibernate, Thyme-leaf, Bootstrap, jQuery, HTML, RESTful Webservices  
**Tools:** Spring Tool Suite, MYSQL Workbench.  
**Description:**  
Developed a comprehensive Full-stack shopping web application using Java, Spring Boot etc.  
The admin application includes modules for managing Users, Categories, Brands, Products, Orders, and generating sales reports. The shopping application features modules for listing Products, detailed product views, searching products, managing the shopping cart, checkout process, order tracking, and customer registrations. This project successfully a user-friendly e-commerce platform.
- **Home Loan Application:** <https://github.com/Komal305/HomeLoan>
- **E Commerce:** <https://github.com/Komal305/E-commerce>
- **Blog Application:** <https://github.com/Komal305/Blog>

## SOFT SKILLS

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Determination, Punctuality, Resilient.

## HOBBIES

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Books reading, pencil-art, dance, yoga, travelling.

## LANGUAGES

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Hindi, English, German.