

AMRESH KUMAR MAHATO

Software Developer

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PROFILE & SUMMARY

Experienced **Java Developer** with **3.2 years** of expertise in **Spring Boot, MySQL, Hibernate/JPA, and Web Services**. Proficient in deploying projects on **AWS, GIT, and GitHub**. Successfully delivered impactful projects like **Real Estate** and **E-commerce applications**, leveraging technology. Skilled in **Java/J2EE, REST/HTTP, and API design**. A collaborative team player with a passion for **innovation** and a proven track record of driving project success. Seeking opportunities to contribute to innovative projects in a forward-thinking environment.

EDUCATION

Madanapalle Institute of Technology & Science
Kadiri Road, Angallu, Madanapalle -517326

Bachelor of Technology in
Computer Science & Engineering
2017 – 2021

IT SKILLS

- **Programming languages:** Core Java
- **Java Frameworks:** Spring Boot, Hibernate
- **Web Services:** RESTful API Development
- **Security:** Spring Security, JWT
- **Version Control:** Git and GitHub
- **Testing Tools:** JUnit, Postman,
- **Agile Methodologies:** Scrum, Kanban
- **SQL Databases:** MySQL, Oracle
- **NoSQL Databases:** MongoDB
- **Architectures:** Monolithic & Microservices
- **Microservices:** Eureka Discovery Server, API Gateway, Spring Cloud
- **Deployment:** AWS (EC2, RDS) Basics
- **Stream Processing:** Java Stream API
- **Others Languages :** Python-Django, C++
- **Frontend:** HTML, CSS, JavaScript
- **Framework:** ReactJs, ExpressJs, AngularJs
- **Development Tools:** Eclipse IDE, IntelliJ IDEA, Spring Suite Tools (STS), Swagger, Visual Studio Code and PyCharm
- **AI Tools:** ChatGPT, Bard, Debug code
- **Defect tracking tool:** Jira, Bugzilla
- **Teamwork:** Able to work in teams.

PROFESSIONAL EXPERIENCE

Java Software Developer
Mphasis | 2021 June - 2023 May

Project 1: Homes.com, Real Estate Project

Key Responsibilities and Achievements:

- Homes.com features distinct modules tailored for different user needs, including **owner subscription plans, buyer subscription plans, tenant plans, and seller plans**. Each module caters specifically to the unique requirements and preferences of these **user groups**, offering customized features and benefits.
- By creating separate modules, **homes.com** enhances user experience by providing targeted services and functionalities. This segmentation allows for more personalized **interactions with the platform**, ensuring that each user group can **efficiently navigate** and utilize the services that best meet their needs.
- Designed and implemented **database schema** based on **Entity-Relationship (ER) diagrams** and developed **database interactions** using **Hibernate ORM** with **MySQL Database**.
- Developed **RESTful web services** endpoints using **Spring Boot** framework for building **microservices** and implemented **Controller, Service, and Repository** layers following the **MVC architecture**.
- Integrated **third-party APIs** for **SMS and Email services** to enable **communication features** and utilized external libraries to generate **Excel/PDF reports**, enhancing **application functionality**. Also, integrated a **test payment gateway** for simulating **financial transactions**.
- Created and tested **APIs** using **Postman** to ensure **functionality and performance**, and **documented APIs** using **Swagger** for **clear and interactive API documentation**.
- Implemented **authentication and authorization mechanisms** using **Spring Security** with **JWT tokens** for **securing REST APIs**.
- Utilized **Lombok** and **Model Mapper** libraries to **reduce boilerplate code** and streamline **object mapping tasks**, improving **code readability and maintainability**.
- Identified and resolved **defects** in the codebase using **debugging tools** in **IntelliJ IDEA IDE**.

ACHIVEMENTS

Best Employee of the Year 2023 in recognition of dedication to fostering a **positive workplace culture**, empowering employees, and promoting **professional growth and development**.

TECHNICAL PROFICIENCY

- Developed and deployed **Java applications** in a **production environment**.
- Designed **RESTful APIs** using the **Spring Boot framework**.
- Led comprehensive **testing processes** to ensure the **reliability** and **functionality** of deployed applications.
- Emphasized **scalability** in **API development**, optimizing performance for seamless integration.
- Demonstrated a strong understanding of **complex problems**, showcasing **critical thinking** in **problem-solving scenarios**.
- Proactively identified and addressed **challenges**, demonstrating **adaptability** in **dynamic work environments**.
- Possess a holistic understanding of the **development process**, with exposure to both **front-end** and **back-end aspects**, contributing to comprehensive **full-stack development capabilities**.

PERSONAL DETAILS

- D.O.B** : Sep 27th 1999
- Proficient Language** : English, Hindi
- Marital Status** : Single
- Permanent Address** : Purandaha, Parwa
- District** : Madhubani, 847226
- State** : Bihar

PROFESSIONAL EXPERIENCE

Java Software Developer
Mphasis| 2023 June- 2024 Current
Project 2: Finish Line, Ecommerce Applications

- Key Responsibilities and Achievements:**
- Developed several key modules: the **Product Services module** for managing product information and categories, the **Order Services module** for handling order processing and fulfillment, the **Inventory Services module** for maintaining accurate **stock levels** and product variants, and features for **Rating, Reviews, and Comments** to enhance user engagement and feedback collection. These modules collectively streamline operations, **improve user experience**, and support efficient management of your **commerce platform**.
 - Developed **RESTful APIs** using **Spring Boot** framework, ensuring scalability and performance for efficient data retrieval and manipulation.
 - Designed and implemented **microservices architecture** using **Spring Boot** and **Spring Cloud**, integrating **MongoDB** and **MySQL** databases for data storage and retrieval within the microservices ecosystem.
 - Incorporated **service discovery, load balancing, and fault tolerance mechanisms** using **Eureka** and **Ribbon** to enhance the resilience and reliability of microservices.
 - Integrated **MongoDB** and **MySQL databases** into applications, implementing data models, indexes, and queries to ensure optimal database performance and efficiency.
 - Conducted rigorous testing including **unit tests, integration tests, and end-to-end tests** using tools like **JUnit** and **Postman** to validate the functionality and reliability of APIs and microservices.
 - Implemented **security measures** such as **authentication and authorization** using **Spring Security** and **OAuth2**, ensuring secure access to APIs and microservices.
 - Documented **API specifications, microservices architecture, and deployment processes** for reference and future development, facilitating knowledge sharing and collaboration within the team.

PROJECT OVERVIEW

Project 1: Homes.com	Project 1: Finish Line
Type: Real Estate Applications	Type: Ecommerce Applications
Architecture: Monolithic	Architecture: Microservices
Duration: 2.5 Years	Duration: 2.5 Years
Client: Homes.com	Client: Finishline.com
Status: Completed	Status: Currently Running

Note: I hereby declare that the information furnished above is true to the best of my knowledge.