

AMRESH KUMAR MAHATO

Software Developer

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#4 Sri Laxmi Grand P.G For Gents, BTM
2nd Stage, 3rd C Cross, Bangalore,
Karnataka-560076

PROFILE & SUMMARY

Experienced **Java Developer** with **4.0 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 Estates** 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.
- **Generative AI:** Workflow and Agents.

PROFESSIONAL EXPERIENCE

Java Software Developer

Ascendion Engineering Ltd | 2025 April - 2026 Current

Project 2: HP AGENA-GEMINI | ROR - JAVA MIGRATION POC

- **Key Responsibilities and Achievements:**
- Worked on **Generative AI** AVA+ platform to create different agents and workflow which can be use for forward engineering.
- Developed a multi-agent workflow integrating **Jira, GitHub**, and **Confluence**.
 - Agent 1: Reads Jira stories using a **Jira Reader tool**.
 - Agent 2: Checks and finalizes existing **LLDs**.
 - Agent 3: Converts **Jira stories** into structured **LLDs**.
 - Agent 4: Uploads finalized LLDs to **GitHub** and **Confluence** using **python tools**.
- Developed Activation Code (EK) platform modules: **V2ActivationCodeInfoBuilder** and **V1ActivationCodeInfoBuilder** to assemble rich activation payloads (offers, plans, pricing, tax, origin, activation details) and ensure backward compatibility.
- Implemented **KitOfferBuilder** for plan/offer selection: merged-flow logic, multi-flow vs single-flow selection, flow→DB-integer conversion, region filtering, obsolete/vacation handling, and default-plan selection.
- Built **PromoCode** pipeline (PromoCodesPresenter + DTOs) to safely render promo payloads and gracefully handle presenter failures without breaking activation-code responses.
- Implemented activation-details processing (**Blackhawk, InComm, Epay, HPA-Gena**) with retailer lookup and fallback logic to populate retailer/product/posTimestamp fields in responses.
- Exposed admin functionality via REST controllers (**AdminActivationCodeController**) and services (**ActivationCodeDetailService**) for search, details (JSON/XML), id lookup, and event retrieval.
- Integrated persistence layer using **Spring Data** repositories (MongoDB collections) for **SignupOffer, Plan, Region, Retailer, SignupOfferPlan mappings**, and **activation-code** replacements.
- Designed defensive builders: removed nulls for sensitive keys, validated promo/offer inputs, and isolated external failures (promo rendering) to increase runtime robustness.
- Increased test reliability and coverage: added exhaustive unit tests (**JUnit5 + Mockito**), addressed **flaky stubs** with doReturn/doAnswer and lenient strictness, and used **JaCoCo** to drive branch & line coverage improvements.

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

Onward Technology/ 2024 August - 2025 April

Project 2: Finish Line | Ecommerce Application

- 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.

Java Software Developer

Zensar Technology Ltd. | 2022 March - 2024 July

Project 1: Homes.com | Real Estate Application

Key Responsibilities and Achievements:

- Developed modular architecture for **Homes.com**, including distinct modules for **Owners, Buyers, Tenants, and Sellers**, enabling personalized features and targeted user experiences.
- Designed and implemented the **database schema** based on **Entity-Relationship (ER) diagrams**, and managed database interactions using **Hibernate ORM with MySQL**.
- Created **RESTful** web service endpoints using the **Spring Boot** framework, implementing **Controller, Service, and Repository layers** following the **MVC architecture**.
- Integrated third-party APIs for **SMS and Email functionalities**, and used external libraries to generate **Excel/PDF reports**, adding valuable features to the platform.
- Set up a test **payment gateway** to simulate and validate financial transactions within the application.
- Conducted API testing using **Postman** to ensure proper functionality and performance.
- Developed interactive **API documentation using Swagger**, improving communication between developers and stakeholders.
- Implemented **authentication and authorization** using **Spring Security with JWT tokens**, securing the platform's **REST APIs**.

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