

AKSHIT TYAGI

Java professional proficient in Core Java, SQL, J2EE, Hibernate, and Spring Boot.

@ tyagiakshit171@gmail.com 📧 UP, India 🔄 akshittyagi171 📞 +91 7906767568 🌐 akshit-tyagi-a171t

EXPERIENCE

Java Developer Intern

Hulk Hire | Trustly Payment Integration

📅 November 2023 – Present 📍 Hyderabad, TG

- Developed a secure and scalable e-commerce payment system, integrating Trustly to enhance payment options in the **European market**. Utilized **Spring Boot** for efficient development and adopted a **microservices architecture** for scalability, hosted on **AWS**. Contributed significantly to the end-to-end **integration of Trustly**, including the development of **REST** endpoints, design and implementation of the Validation Framework, application security with **HmacSHA256 & RSA**, robust **error handling**, Payment Status Management, 3rd Party **API Integration**, and **Notification handling**. Additionally, had the opportunity to explore and work with open-source technologies such as **Redis**, **MongoDB**, and **ActiveMQ**.

Responsibilities :

- Design and development of a secure reliable payment system with Trustly Integration using **Java** and **Spring Boot**, & **Microservices**.
- Contributed to a modular **validation framework**, and developing critical validating rules that lowered payment processing errors by **15%**.
- Developed **HmacSha256** while E-commerce system integrated to Payment, and build a strong layer of **RSA** while the Payment system connects with Trustly. Ensuring **100% Authentication, Authorization** & avoiding data tampering during payment processing.
- Implemented payment status handlers using the **Factory pattern** and **Spring JDBC**, enhancing **database efficiency** by **30%**.
- Developed multiple error codes to meet system failures and utilized **spring exception handling** to handle errors effectively.

Java Developer Intern

Freelance | Cafe Automation Platform

📅 January 2023 – June 2023 📍 Ghaziabad, UP

- Developed **Java**-based Café Automation Platform using **Java**. Streamlined employee onboarding, Implemented **CRUD** functionality by incorporating an **inventory management system** within the platform, also improving employee **efficiency** by **40%**, while reducing errors by **25%**. Resulted in a **robust** and successful solution that exceeded client expectations.

Responsibilities :

- Developed **efficient** and **scalable** Java code, leveraging **core Java**, **JavaFX**, **SQL**, **JDBC** and build tools, resulting in a **20% improvement** in application performance.
- Integrated Java applications with databases such as **Oracle**, **MySQL**, **PostgreSQL**, **MS SQL Server**, optimizing database schemas and executing **optimized SQL queries** for seamless data retrieval and storage.
- Innovated **bill generation mechanism** and **billing history generator**, saving **20+ hours** per week in manual reconciliation.

EDUCATION

B.Tech in Computer Science

Ajay Kumar Garg Engineering College

📅 SGPA: 7.75 – **GATE Qualified** 📍 AKGEC-2024

- Coursework:** Algorithms and Data Structures, Database Management System (DBMS), Computer Networking (CN), Object Oriented Programming (OOP), Software Engineering (**Low-Level Design**), Operating Systems (OS).

TECHNICAL SKILLS

- Languages:** Java, SQL.
- Java Frameworks:** Spring Boot and Hibernate.
- Developer Tools:** GSON, Sonar, Lombok, Maven, Redis.
- Database:** SQL, PL/SQL, PostgreSQL, Microsoft SQL Server, Oracle, MySQL, MongoDB (NoSQL).
- Web Development:** HTML, CSS, Bootstrap, MaterialUI, Javascript, React.
- Agile Methodology:** Scrum, Jira, and Agile Development.
- Version Control:** Git, Bitbucket, Github.
- Testing & Debugging:** JUnit, Mockito, Unit Testing, Debugging, Logging (Log4J).
- Other Key Skills:** ChatGPT, Bard usage and Prompt Comprehension, Conversational AI Understanding, Code Debugging, Agile Methodology, System Performance and Analysis

ACHIEVEMENTS

- GATE Qualification:** Demonstrated high-level expertise and proficiency in Computer Science Engineering.
- Coding Challenges:** Solved **500+ complex problems** on platforms like LeetCode and GeekForGeeks.
- Smart India Hackathon:** Played a pivotal role in a 5-member team, contributing to project architecture and demonstrating strategic planning and collaborative problem-solving.

RESEARCH PUBLICATION

TL-DCA in Smart Cities – Data Collection

Worked with Prof. Dr. Sachin Kumar (**Dean of Research**)

- Architected a **data collection framework** for next-gen smart cities, resulting in a **30% efficiency** boost and a **20% reduction** in security threats.
- Implemented **four robust algorithms** and **digital signatures**, contributing to a **40% improvement** in data quality.
- Achieved a **15% increase** in **system resilience** through the implementation of the various algorithms.
- Successfully addressed critical aspects of smart city technology, enhancing both **efficiency** and **security**.

CODING PROFILE

LeetCode - akshittyagi171 [250+ Problems Solved]

GeekForGeeks - akshittyagi171 [300+ Problems Solved]