Robert Kashyap

Java Software Engineer

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INDUSTRY EXPERIENCE

BiliWeb — *UI/UX Design [intern]*

- **Strategic UI/UX Styling**: Applied strategic UI and UX styling changes to optimize user experience, contributing directly to enhanced client satisfaction and business outcomes.
- **UI/UX Enhancement for Increased Conversion**: Transformed product and service interfaces, resulting in a remarkable 250% improvement in the conversion rate for clients.

MiraTech — *Office Automation [intern]*

- **Efficiency and Streamlined Operations**: Introduced automated processes to streamline workflow, reducing manual efforts and increasing the efficiency of day-to-day operations.
- **Productivity Boost through Automation**: Spearheaded the implementation of office automation solutions, leading to a substantial 140% growth in overall productivity.

Polytropic Services — *Ethical hacking [intern]*

- **Enhanced Security Posture**: Contributed to the establishment of a more secure digital environment, ensuring the integrity and confidentiality of company data through proactive ethical hacking measures.
- **Intrusion-Resistant Systems**: Developed and implemented robust intrusion-resistant systems by configuring over 20 parameters post-pentesting, fortifying company systems against potential vulnerabilities.

JAVA PROJECTS** (**Project mentions have embedded links)

Customer Management Project | *Spring Boot 3*

- CRUD Application Development: Engineered a Spring Boot 3 application enabling CRUD operations for customer data, utilizing Spring Data JPA and PostgreSQL.
- RESTful API Design: Implemented REST API endpoints adhering to RESTful conventions for seamless customer data management.
- Technology Stack: Employed Java with JDK 17, Maven for project management, PostgreSQL for the backend, and integrated Docker support for enhanced deployment options.

Student Management System | *Spring Boot 2*

- CRUD Functionality Implementation: Developed a Spring Boot 2 application facilitating basic CRUD operations (Create, Read, Update, Delete) for efficient management of student information.
- Structured Project Architecture: Organized the project with key components such as entity classes, repositories, services, and RESTful API controllers, ensuring a clear and scalable project structure.
- Database Integration and Sample Data: Utilized PostgreSQL as the database, configured through application.properties. Implemented sample data loading on application startup for testing and demonstration purposes.

SKILLS

Java Relevant Skills
Java · Object-Oriented Programming (OOP) · Multithreading · Exception Handling · Spring Boot · Spring MVC · JPA · Hibernate · Maven · Unit Testing Practices (JUnit and Mockito) · Software Architecture Concepts · Microservices · API(CRUD) · JBDC

Software Development and Programming:
Problem-Solving · Algorithms · Assembly (ASM) · C · C++ · Python · Dart · Flutter · Git · SQL · NOSQL · Postgresql · MongoDB

Architecture and Development Tools:
Software Architecture · SDLC · Database Systems (OS, Networking, DBMS) · Cloud Computing · High-Performance Computing · Compiler Design · Graph Theory

CERTIFICATIONS
- **Associate Lead GDSC:** Google Dev
- **Cloud Computing:** Google Cloud
- **Cyber Security:** CISCO
- **Emotional Intelligence:** NPTEL
- **Computer Office Suite:** IIIT MOOCS

EDUCATION

Bihar Engineering University | *B.Tech CSE*
2019 - 2023, GPA : 8.6, Patna, Bihar

Mount Assisi School | *Intermediate | ICSE*
2018, Bhagalpur, Bihar

St. Joseph's School | *Matriculation | ICSE*
2016, Bhagalpur, Bihar

Other Interests
Design:
UI/UX Design · Figma · Canva

Supplementary communication:
Effective Communication · Persuasive/Public Speaking · Negotiation

Additional Technical Skills:
Open Source Contributions · Linux · Bash Scripting · Automation · Blender · 3D Graphics

OTHER SIGNIFICANT PROJECTS

SimplexOs | *Terminal OS | ASM,C,BOCHS**

**TextRPG | *Game Dev | Python*

**Google Desktop Assistant | *For Linux*

**RTW88 wireless drivers | *For Linux Clients*