Ratnesh Patil

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Objective

To leverage my expertise in full-stack development to drive innovative projects, contribute to organizational growth, and deliver impactful solutions that benefit both the company and society.

Skills

Programming Languages

- Java
- JavaScript (React)
- SQL
- HTML/CSS
- Tailwind CSS

Tools and Technologies

- **Frameworks and Libraries:** Spring Boot, React, iText, ag-Grid
- **Databases:** PostgreSQL, MySQL
- **Version Control:** Git
- **APIs:** RESTful APIs

Experience

Full-Stack Software Developer, PurpleGrad, Pune   [Sept, 2023] – Present

Key Responsibilities:

- **Developed Full-Stack Applications:** Led the development of web applications with Java (backend) and React (frontend), ensuring high performance and seamless integration.
- **Database Management:** Oversaw PostgreSQL databases, including schema design, query optimization, and data migration, maintaining data integrity and scalability.
- **API Development:** Created RESTful APIs for client-server communication, facilitating efficient data exchange and third-party integration.
- **Agile Development:** Engaged in Agile practices such as stand-ups, sprint planning, and retrospectives, collaborating with cross-functional teams to deliver quality software.
- **Version Control:** Managed code using Git, ensuring version control and collaboration efficiency.
- **Testing and Debugging:** Conducted unit and integration tests to ensure application stability, addressing bugs and performance issues promptly.
- **Security Implementation:** Applied security measures including role-based access control, data encryption, and secure authentication to protect user data.

Key Achievements:

- **ERP System Development:** Developed and deployed an ERP system, improving operational efficiency by 30
- **Hospital Management System:** Led the creation of a HMS, enhancing patient care and increasing operational efficiency by 20

Education

Institute for Advanced Computing and Software Development, PG Diploma   [Sept, 2022] – [Mar, 2023]

- Percentage : 72
- **Coursework:** PG-DAC (Post Graduate Diploma in Advanced Computing)

Savitribai Phule Pune University, Bachelor's Degree   [Sept, 2016] – [Aug, 2019]

- Percentage: 69

Projects

Enterprise Resource Planning (ERP) System

Project Description: Developed a comprehensive ERP system to streamline and automate core business processes across various departments such as finance, human resources, supply chain, and manufacturing. Enhanced productivity, improved data accuracy, and provided real-time insights for better decision-making.

Technologies and Languages Used:

- Backend Development: Java, Spring Boot
- Frontend Development: React
- Database Management: PostgreSQL
- API Development: RESTful APIs
- Reporting and Analytics: Custom reporting and dashboards

Hospital Management System

Project Description: Developed a Hospital Management System (HMS) to automate and streamline hospital operations, including patient management, appointment scheduling, billing, and inventory management. Aimed at enhancing patient care and operational efficiency.

Technologies and Languages Used:

- Backend Development: Java, Spring Boot
- Frontend Development: React
- Database Management: PostgreSQL
- API Integration: RESTful APIs

Bike Rental System [C-DAC]

Project Description: Designed an online Bike Rental System for a company specializing in renting bikes. Customers can view available bikes, register, view profiles, and book bikes through the platform. The system aims to increase customer retention and simplify vehicle and staff management.

Technologies and Languages Used:

- Backend Development: Java, Spring Boot, JPA
- Frontend Development: JavaScript, ReactJS
- Database Management: MySQL

Certifications and Awards

- Completed Java and SQL certification from HackerRank.
- Completed ReactJS and GitHub certification from Great Learning.
- Best outgoing sports student at SGI for the year 2015-16.
- Active participation in ENSEMBLE 2K17-18.