Aman Rajak

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ACADEMIC BACKGROUND

Bachelor of Technology (B.Tech)   **October 2021 - June 2025**
Institute of Technical Education and Research, Siksha O Anusandhan   *7.28/10 cgpa*
Courses: *Data Structures and Algorithms, OOPS, Database Management System, Operating Systems*

Central Board of Secondary Education (12th Standard)   **March 2019 - April 2021**
St Mary's English High School   *75.6% Precentage*
Courses: *Maths, Physics, Chemistry, English, Computer Science*

EXPERIENCE

Zenuino Pvt. Ltd. (Jamshedpur On-Site)   **Present**
- Developed a **production-grade MES system** using **React.js, Spring Boot, and MSSQL**, enabling real-time tracking of work orders, machines, and operator performance.
- Designed **optimized SQL Server schemas** and high-efficiency **REST APIs**, improving data accuracy and reducing backend latency by **40%**.
- Implemented **secure JWT authentication** and **role-based dashboards** for Admin, Supervisor, and Operator roles, ensuring controlled and smooth workflows.
- Integrated MES with the existing **ERP system** using **bi-directional APIs**, enabling seamless synchronization of production status, inventory, and work orders.
- Deployed the complete application on **IIS Server** with reverse proxy, SSL configuration, and environment-based builds, ensuring stable live production performance.

Xmplar Management Solutions Pvt. Ltd. (Bengaluru On-Site)   **July 2025 − September 2025**
- Developed and deployed **15+ high-performance REST APIs** using **Java, Spring Boot, and MVC**, enabling seamless integration of Crest ERP with mobile and web applications.
- Delivered **fully customized ERP modules** using **Apache OFBiz**, ensuring **100% client-specific workflows** across finance, HR, and operations.
- Contributed across the **full development lifecycle**, including requirement analysis, development, testing, and deployment of ERP features.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript
Frameworks: Spring Boot, Spring MVC
ERP Technologies: Apache OFBiz
Databases: SQL, MySQL, PostgreSQL, Ms SQL
Tools & Platforms: Postman, Swagger, Git, Github, MS Office, CursorAI, VsCode, EclipseIDE

PROJECTS

Manufacturing Execution System (MES) | *Spring Boot, MS SQL Server, React.js, Microsoft Dynamics ERP*
- Built a **production-grade MES** integrated with **Microsoft Dynamics ERP** for **real-time tracking**.
- Designed and implemented **end-to-end production workflows** from **order creation** to **completion**.
- Integrated **ERP-based raw material requests** and **issuance** into **MES tracking**.
- Synced **ERP-issued raw materials** with MES for **accurate shop-floor monitoring**.
- Implemented **production recording** across **machines** and **work centers**.
- Enabled **quality inspection workflows** with **pass/fail handling**.
- Implemented **automatic routing** to the **next work center** for incomplete production.
- Developed **role-based access control** for **operators, supervisors, and admins**.
- Deployed and supported the system for **30+ active users** in **live production**.

Online Training Platform | *Java, Spring Boot, Spring MVC, PostgreSQL, Cursor AI*
- Built a role-based online training platform using **Java** and **Spring Boot**.
- Developed admin features for managing users, programs, and courses, reducing manual work by **40%**.
- Implemented learner features for enrollment, progress tracking, and course access.
- Integrated **REST APIs** with **PostgreSQL** to improve query performance by **25%**.
- Implemented secure authentication and authorization to protect user data and access.