

FAZLE RABBI FERDAUS

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SOFTWARE ENGINEER

Results-driven Odoo Developer with almost 4 years of experience delivering end-to-end ERP solutions, from custom modules to complex integrations (RFID, e-commerce). Proven expertise across diverse industries including manufacturing, retail, and finance, utilizing Odoo (v11-17), Python, JavaScript, and PostgreSQL.

- ERP • Web Application • Monolith Architecture • API design • Version Control
- Debugging • Requirement Analysis • Database Management

Languages: Python, JavaScript

Web: HTML5, CSS3, HTMX

Web Services: RESTful, SOAP, Jsonrpc, Xmlrpc

Web/App Servers: Nginx, Werkzeug

Frameworks: OWL, Odoo

Databases: PostgreSQL, SQLite

Design Patterns: MVC, Decorator Pattern, Factory Pattern

SDLC: Agile (Scrum)

Tools: Vim, curl, PgAdmin, Git, GitHub, GitLab, Postman, Odoo.sh, Odoo Runbot

Platforms: Linux

Application/Software: Odoo

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

BRAIN STATION 23 PLC, Dhaka, Bangladesh • 08/2021 – 01/2025

A global IT consulting firm with 850+ professionals, trusted by Fortune 100 companies for software development and staff augmentation.

Software Engineer II (07/2023 – 01/2025)

Built, customized and implemented ERP solutions.

- Architected a suite of custom Odoo modules for a multi-branch jewelry retailer to manage complex gold inventory, enabling precise tracking of weight, purity, and exchange value for 100% accuracy in high-value asset control.
- Automated the end-to-end procurement lifecycle for a major construction firm by developing a custom Odoo solution that replaced a paper-based system, reducing overall procurement cycle time by an estimated 60%.
- Engineered an end-to-end RFID inventory system for jewelry stores using Odoo, automating daily stock validation to provide real-time asset tracking and significantly reducing the risk of theft.
- Engineered a dynamic Tender Management module with an automated Comparison Sheet feature, enabling complex bid analysis and multi-level approvals, which streamlined vendor selection and eliminated manual calculation errors.

Associate Software Engineer (12/2021 – 06/2023)

- Developed a just-in-time MRP forecasting module for a multi-factory food manufacturer, linking daily sales orders to production schedules to optimize inventory levels and reduce product waste by an estimated 20%.
- Architected a corporate meeting management platform in Odoo with deep integration to on-prem Microsoft 365 server, streamlining the entire lifecycle from agenda creation to resolution tracking and cutting meeting prep time by 40%.
- Developed a custom tenant and loan management system for a national economic zone, automating core administrative workflows like billing and payment tracking to reduce manual workload by an estimated 20+ hours per month.

Software Engineer Trainee (08/2021 – 11/2021)

- Contributed to the development and customization of core Odoo ERP modules (e.g., Sales, Inventory, MRP) by writing Python logic and creating XML views to meet client feature requests.

- Assisted senior developers in debugging complex issues and successfully resolved over 40 tickets, improving system stability and gaining foundational knowledge of large-scale ERP implementations.

Technologies Used: Python, JavaScript, PostgreSQL, XML, HTML5, CSS3, SCSS, OWL, Odoo, Jira, GitLab, Nginx.

ACADEMIC PROJECTS

Maharishi International University (2025)

Product Review Rating App: Single page application where users can share their reviews and rating on products. Utilized React, Express, Node.

Maharishi International University (2025)

BlackJack Online: An online blackjack game. Utilized React, Express, AWS lambda, CloudFront, Codepipeline.

PERSONAL PROJECTS

WebRecord Replay 2024: Records user navigation and interactions to streamline manual QA. Features one-click replay for bug fix verification and produces shareable outputs for clear, actionable bug reports and training materials. Utilized JavaScript.

Bare Bone Crawler 2024: A simple web crawler, initially using an async event loop and callbacks with the select API, followed by an implementation using Python coroutines, and finally using asyncio coroutines. Utilized Python.

Bare Bone Ci 2024: A custom-built, lightweight continuous integration system that automatically builds and tests code upon commits, demonstrating a core understanding of DevOps principles and development workflows. Utilized Python, Bash Scripting, Git.

freact 2023: A re-implementation of the React framework from the ground up, showcasing a deep knowledge of front-end architecture, including the virtual DOM, state management, and component lifecycle. Utilized JavaScript (ES6+), Webpack, Babel, HTML5, CSS3.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Algorithms, Enterprise Applications, Cloud Computing

Bachelor of Science in Computer Science and Engineering

United International University, Dhaka, Bangladesh (05/2021)

CERTIFICATIONS

[Odoo 15 functional Certification](#) (05/2023)