HASSAN MIRFAD MOHAMMAD

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in https://www.linkedin.com/in/hassanmirfad10 📄 Iqama Status:Transferable

Profile

I am a Cloud & ERP Solutions Specialist with strong expertise in Software Development, Data Analysis, and Odoo ERP implementation. I design and deliver scalable, cloud-based business solutions that improve operational efficiency and support data-driven decision-making. With hands-on experience in Odoo development and customization, cloud infrastructure management, and modern software development practices, I build secure, high-performance systems aligned with business needs. I focus on working with real data, not assumptions, ensuring accuracy, reliability, and measurable results.

I am skilled in system integration, database management, and cloud deployment, and I thrive in environments that require problem-solving, innovation, and continuous improvement. My goal is to deliver practical, scalable, and future-ready digital solutions.

SKILLS

PROGRAMMING LANGUAGES
Python, JavaScript (ES6), HTML5, CSS3, Object-Oriented Programming (OOP), Backend Development, REST APIs

TOOLS/PLATFORMS
AWS (EC2 DynamoDB fundamentals), Microsoft Azure (Foundational Knowl- edge), Git, GitHub, Docker (Containerization Basics), VS Code, CI/CD Con- cepts, Virtualization (VMware), Linux Administration, Windows Administra- tion, Active Directory Basics, Cloud Deployment, Environment Configuration, Odoo ERP

LIBRARIES/FRAMEWORKS
React.js, Node.js, Bootstrap, Tailwind CSS

DATABASES
SQL, MySQL, SQLite, MongoDB (Atlas), Firebase, AWS DynamoDB, Oracle Database, Database Administration, Query Optimization

EXPERIENCE

SOFTWARE ENGINEER, *AIROBOSOFT PRODUCT & SERVICE*   08/2025 – 12/2025
                                                                                                                                        Bangalore, India
- Contributed to full-stack software development using Python and SQL, supporting backend modules and internal business applications in a production-like environment.
- Developed and optimized SQL queries and database operations. improving data retrieval efficiency and reducing processing time by 25%.
- Supported REST API integration and backend troubleshooting, enhancing application stability and reducing recurring technical issues.
- Performed data cleaning, validation, and transformation to ensure high data accuracy for reporting and operational systems.
- Assisted in IT support and system administration tasks, including environment setup, user support. application monitoring, and issue resolution.
- Gained hands-on exposure to AWS Cloud fundamentals, IT infrastructure components, networking basics, and deployment workflows, strengthening understanding of scalable system architecture.
- Followed secure coding standards. version control (Git), and confidentiality protocols to maintain compliance with security best practices.

PYTHON DEVELOPER, *PACS GLOBAL*   06/2024 – 08/2024
Manglore, India
- Developed and maintained Python-based backend applications, supporting daily business operations and improving data processing efficiency by 20%.
- Designed, built, and supported RESTful APIs, enabling seamless integration between frontend applications and internal systems.
- Managed and optimized MySQL databases, executing queries, data validation, and performance tuning to ensure 99% data accuracy.
- Automated internal workflows, including expense report processing, reducing manual effort by approximately 30% and improving turnaround time.
- Collaborated in an Agile development environment, participating in sprint planning, code reviews, and feature testing to deliver stable and scalable solutions.
- Assisted in debugging and troubleshooting backend issues, improving system reliability and reducing recurring errors.
- Implemented automated data validation scripts to ensure consistency across multiple business databases, reducing manual errors by 15% and improving reporting accuracy.

EDUCATION

Bachelor of Science, Computer Science and Statistics,   08/2022 – 05/2025
St. Aloysius (Deemed to be University),   Manglore, India

PRE UNIVERSITY, *SAT Higher Secondary School*   06/2020 – 05/2022
Percentage:86%   Kasaragod, India

PROJECTS / OPEN-SOURCE

DATABASE MANAGEMENT SYSTEM, *HTML/CSS, Javascript, Servlet, JSP,JDBC, MySQL*
- Developed a secure and interactive web application using HTML, CSS, JavaScript, Servlets, JDBC, and MySQL for efficient data handling.
- Designed a responsive frontend for user input, with backend logic processing requests via Java Servlets and JDBC for seamless database interactions.
- Implemented a forgot password feature with email verification, where the system generates a unique OTP and sends it to the user for secure password reset.
- Ensured data integrity and security by validating user inputs and preventing SQL injection risks.
- Demonstrated end-to-end system understandingfrom frontend design to backend database management.

EXPENSE REPORT AUTOMATION, *Python, FastAPI, AWS Textract, DynamoDB*
- Created a tool to scan receipts/expense reports using AWS Textract for data extraction.
- Implemented rule-based validation like date ranges, vendor whitelisting to flag discrepancies.
- Stored processed data in DynamoDB with user access controls.
- Deployed a FastAPI backend with async processing for scalability.
- Implemented logging and monitoring for processed expenses to track errors, system performance, and ensure data accuracy in real time.

CLOUD-BASED IT SUPPORT TICKETING SYSTEM, *Python, FastAPI, AWS EC2, DynamoDB, Odoo ERP*
- Developed a cloud-deployed T support ticketing system with Python and FastAP for backend services.
- Implemented user authentication and role-based access control to manage support tickets securely.
- Stored and managed ticket data in DynamoDB with query optimization for fast retrieval.
- Integrated Odoo ERP modules to track issue resolution, escalation, and reporting.
- Deployed the application on AWS EC2, with automated environment setup and monitoring for scalability and reliability.

CERTIFICATIONS

- Python Developer Intern - PACS GLOBAL
- Foreign Exchange Management - SCHOOL OF BUSINESS AND MANAGEMENT
- AWS Certified Developer - INFOSYS SPRINGBOARD
- Power BI - SIMPLI LEARN
- Software Engineer - AiRobosoft.
- Introduction to Data Analytics - SIMPLI LEARN