

MOHAMMED ASIF

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Detail-oriented **Software Engineer** with 2+ years of experience in **Python, Django, FastAPI, React.js**, and **Node.js**. Strong expertise in **API development, database design**, and **cloud deployment**. Skilled in **Odoo & Zoho customization, ERP automation, application support (L1/L2)**, and **WordPress development (Elementor & custom theme customization)**. Proven ability to deliver scalable backend systems, build full-stack applications, and provide technical support for live production environments. Eager to leverage **technical expertise, leadership skills**, and **adaptability** to deliver innovative, high-quality software solutions for UAE-based organizations.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering Jul 2019 - Jun 2023
MGM College of Engineering and Pharmaceutical Sciences, Kerala, India
APJ Abdul Kalam Technological University

EXPERIENCE

Overt Nexus PVT LTD - Software Engineer - Promoted to Software Head Jun 2024 - Present

- Led a team of 4 developers to deliver high-performance **backend** services using **Python, Django, FastAPI**, and **MySQL**.
- Designed and optimized scalable backend modules with query tuning, **caching (Redis)**, and **API-level** performance improvements, reducing response time by **35%**.
- Developed secure **REST APIs** with **JWT authentication** and **modular microservice architecture**, improving system scalability and maintainability.
- Built and deployed **custom Odoo modules (Python, ORM)** and enhanced **XML/QWeb views**, improving **ERP workflow** efficiency by **30%**.
- **Designed** and **developed** responsive **WordPress** websites using Elementor, custom themes, and plugins, improving site performance and user experience by 40%.
- **Automated** business processes in **Odoo**, **reducing manual operations** and **improving data consistency across departments**.
- **Customized Zoho CRM modules** and built advanced **Deluge functions** for automated lead, deal, and **workflow management**, cutting manual work by 50%.
- **Integrated Zoho apps** with **third-party systems via REST APIs**, increasing reporting accuracy and operational visibility by 40%.
- Provided L1/L2 support for live applications, resolving API issues, database bottlenecks, and integration failures.
- Managed deployments, code reviews, and sprint planning, ensuring timely delivery and maintaining code quality standards.

Doctosmart Enterprises PVT LTD - Full Stack Developer Intern Jun 2023 – Mar 2024

- **Developed** and optimized RESTful APIs using Python, Django, and MySQL, resulting in a **40% improvement in data processing efficiency**.
- **Collaborated** with senior developers to build backend features and perform rigorous testing, **ensuring high-quality code delivery**.
- **Enhanced** front-end interfaces with React.js, JavaScript, and HTML5, **improving responsiveness and user experience**.
- **Wrote and debugged** complex SQL queries to support analytics features, **boosting report generation accuracy and speed**.

PERSONAL PROJECTS

Sip and Snacks - A Tea and Snacks Ordering App | React.js, Node.js, Tailwind CSS, Express.js, PostgreSQL,

- **Developed** a full-stack Tea & Snack Order System using React, Node.js, and PostgreSQL for 30+ employees.
- **Implemented** JWT admin authentication and **dynamic price-limit validation** for accurate ordering.
- **Built** added automated exports, WhatsApp summaries, and dashboards, cutting admin effort by 80%.

AI Chatbot for Dubai Trip Planner | Python, OpenAI API, LLM, Streamlit

- **Developed** an AI-powered chatbot using LLMs to provide **real-time travel suggestions**, enhancing trip planning efficiency.
- **Designed** an interactive UI with Streamlit, **increasing user engagement and session time**.

Garbage Management System | Python, Django, MySQL, HTML, CSS, JavaScript

- **Developed** a Django-based waste management platform, **increasing waste collection efficiency** by 25%.
- **Implemented** an online booking system for waste pickup, **reducing manual scheduling work**.
- **Integrated** scheduling features, optimizing **route planning** for waste collection teams.

Music Recommendation System via Facial Recognition | Python, Dataset, HTML, CSS, JavaScript

- **Designed** a machine learning model to detect facial expressions and **recommend music in real time**.
- **Developed** a responsive frontend interface, **improving user interaction and satisfaction**.
- **Optimized** model accuracy by training on diverse facial expression datasets, **reducing incorrect recommendations**.

TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++, Java, SQL, Deluge
- **Backend & Frameworks:** Django, Flask, FastAPI, REST APIs, JWT Auth, Microservices, OAuth (Basic)
- **Frontend Technologies:** React.js, Node.js (Basics), Express.js (Basics), HTML5, CSS3, JavaScript
- **Web Development:** WordPress (Elementor, Custom Themes, Plugins), Shopify
- **Databases:** MySQL, PostgreSQL, MongoDB
- **ERP:** Odoo Development, Module Customization, ORM, XML/QWeb
- **CRM:** Zoho CRM, Deluge Scripting, Zoho Creator, Workflow Automation
- **Cloud & DevOps:** Google Cloud Platform (GCP), AWS (basic), Docker, CI/CD
- **Tools & Utilities:** Git, GitHub, Postman, Unix/Linux, ORM
- **Support:** Debugging, Logs Analysis, L1/L2 Support, API Monitoring
- **Concepts & Practices:** OOP, Design Patterns, DSA, System Design, Microservices Architecture, Unit & Integration Testing (Pytest), Performance Optimization, Agile/Scrum, Async programming
- **Languages:** English – Professional Working Proficiency, **Malayalam** – Native, **Arabic** - Beginner

CERTIFICATES

- **Prompt Engineering for AI Systems** – 1 Million Prompters Initiative, Dubai Future Foundation (Mar 2025) - Specialized in AI prompt design and LLM applications.
- **Python + AI Training** – Bootcamp, Upcode (Feb 2025)
- **Software Development** – Bootcamp, Upcode (Jun 2024)
- **Python with AI and Machine Learning** – Internship, Pacelab (Oct 2022)

ACHIEVEMENTS

- Promoted to **Software Head** at Overt Nexus within the first year, recognizing leadership, technical expertise, and successful delivery of high-impact projects.
- **National Service Scheme (NSS) Volunteer** - Participated in multiple community service initiatives, organizing blood donation camps and awareness programs.