

# MUSTAFA AL AHMED

SOFTWARE ENGINEER

+973 37134879

mustafa.alahmed.0098@gmail.com

East Riffa, Bahrain

[LinkedIn](#)

[Github](#)

## PROFILE

Software Engineer with a strong track record of building and maintaining complex web platforms across FinTech, POS, and CMS systems. Experienced in developing secure payment solutions, integrating APIs, and delivering end-to-end products from concept to deployment. Known for creating scalable, high-performance applications with clean design, intuitive user experiences, and reliable backend logic.

## EDUCATION

2017- 2023

UNIVERSITY OF BAHRAIN

- B.Sc in software engineering

2014- 2017

EAST RIFFA SECONDARY SCHOOL

## WORK EXPERIENCE

Jan 2025 - PRESENT

Venustusy IT solutions

**Junior Full-Stack Developer**

### Company Description:

Venustusy IT Solutions provides customized software solutions and professional consultations, specializing in SaaS products like VenFlows, VenAgents, VenPays, and VenAuth, as well as advanced AI-powered and enterprise-level systems.

### key responsibilities:

- Built and maintained full-stack web platforms for FinTech and POS applications, handling both frontend and backend development.
- Integrated card payment methods with Mastercard and Benefitpay to support secure online and in-store transactions.
- Developed intuitive dashboards and invoicing tools that help merchants manage sales and payments efficiently.
- Created custom Wix and WordPress plugins to connect external websites directly with the company's payment gateway.
- Designed and implemented POS features like table management, order routing, and accounting synchronization.

## SKILLS

Programming Languages

- JavaScript
- HTML
- TypeScript
- CSS
- Python

Framework & Libraries

- React.JS
- fastapi
- Express
- Tailwind CSS
- Node.JS
- Next.JS

Databases

- PostgreSQL
- Elastic Search
- Firestore

Cloud & Tools

- Firebase
- Netlify
- AWS (S3)
- Github

- Conducted end-to-end QA testing and implemented logging and monitoring for production reliability.
- Delivered clean, responsive UI/UX using component libraries and animation frameworks.

## Projects

### VenPays Payment Gateway

- an online payments, invoicing, and subscription Fintech platform
- Developed and deployed the official landing page for the VenPays website.
- Integrated webhooks to automate payment status updates across the platform.
- Implemented secure transaction storage and management within the backend system.
- Authored comprehensive API documentation for developers and merchants.
- Designed and launched a feature that allows customers to select their preferred payment method via a dynamic link.
- Integrated BenefitPay QR payments.
- Built an internal email service for collecting user feedback and system notifications.
- Implemented an invoice feature for the platform.
- Built and deployed VenPays payment plugins for Wix and WordPress, expanding platform compatibility.
- Tech: React.JS( Vite + TypeScript ), Zod, Node.JS, Python (fastapi), PostgreSQL + Prisma, ElasticSearch

### VenFlows ERP System

- ERP system for restaurants that includes POS system, Accounting, and Inventory
- Designed and implemented an enhanced landing page for the platform.
- Developed table management and layout configuration for restaurants.
- Redesigned dashboard UI/UX with improved pagination and product presentation.
- Integrated a PIN-based security layer for supervisor actions within the POS.
- Embedded VenPays integration directly into the POS system for seamless payment activation.
- Implemented kitchen order routing functionality from POS terminals.
- Customized receipt templates for business-specific branding and layout flexibility.
- Developed a system-wide logging service for backend activity monitoring.
- Integrated inventory tracking, synchronizing with stock management.
- Built purchase management features linked to the accounting module.
- Tech: React.JS, TypeScript, Node.JS, ElasticSearch, AWS S3, PostgreSQL

### Focus Point

- Managed the entire project lifecycle from client discussions and requirements gathering to deployment and delivery.
- Designed and developed a modern, content-driven website using Next.js and Sanity CMS for seamless content management.
- Implemented a custom email service using Nodemailer to handle client inquiries and contact forms securely.
- Collaborated directly with the client to define scope, UI/UX direction, and deployment strategy.

## TECHNICAL EXPERTISE

- Full system architecture & design
- REST API design & integration
- Webhook development & middleware logic
- Payment gateway integration (QR, card, and online systems)
- Input validation & backend security best practices
- Database design & transaction management
- Multi-environment deployment (dev / staging / production)
- UI/UX collaboration & implementation
- Code review & quality assurance
- Requirement analysis & technical documentation
- System logging & activity monitoring
- Performance optimization & scalability design
- Testing & API validation tools (Postman)

- Deployed the website on Netlify and configured it with a custom client domain, ensuring optimal performance and uptime.
- Delivered a fully functional, scalable, and easy-to-maintain platform tailored to the media company's content workflow.
- Tech: Next.JS, Sanity CMS, Netlify

## ■ Dec 2023 - Dec 2024

Zoe Medical Supplies

### **IT Support**

#### **Company Description:**

Zoe Medical Supplies is a medical-equipment supply company providing a wide range of healthcare products and support services to institutions and clinics.

#### **key responsibilities:**

- Served as the primary IT support contact, troubleshooting hardware, software, and network issues for end-users and ensuring minimal downtime.
- Managed and maintained user accounts, permissions, and access across multiple systems and ensured compliance with internal IT policies.
- Conducted routine system monitoring, backups and updates, and implemented preventive measures to safeguard data integrity and system reliability.
- Assisted with the deployment and configuration of new IT equipment and software, liaising with vendors and coordinating with internal teams.
- Provided training and guidance to staff on new tools, systems and best practice IT procedures to enhance productivity and reduce repeated support tickets.
- Documented IT processes, asset inventories and service-requests, and generated regular reports for management on support trends and system performance.