




Ahmed Abdelaziz Hanafy


Software Developer & Technical Operations Specialist

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Summary

Ahmed Abdelaziz (zomzam Founder) / Full-Stack Software Developer & UI/UX Designer
A versatile software developer specializing in custom application development and intelligent automation systems for small and medium businesses. My technical journey, beginning at age 13, spans full-stack development with Python, PHP, JavaScript, and systems programming (C/C++, Assembly), enabling me to build efficient, scalable solutions from frontend to backend. I bring a comprehensive product vision by combining hands-on development with UI/UX design in Figma, ensuring intuitive and user-friendly experiences across every project. My artistic background in drawing further enhances my ability to craft interfaces that are both beautiful and functional. Driven by innovation and client success, I'm passionate about delivering impactful digital solutions that help businesses work smarter through custom software and workflow automation.

Education

Bachelor's degree in Business Information System

Alexandria University

Alexandria, Egypt 05-05-2023 TO ~05-08-2027 (Present)

Experience

WebSocket server from scratch in PHP Backend Developer

Company for Tech (via Fiverr)

Remote (Egypt) February 2024 – September 2024 (8 months)

Developed a custom PHP WebSocket server from scratch to enable real-time communication for a client's application. I independently handled low-level TCP socket connections and implemented the full WebSocket protocol (RFC 6455), including the complex process of message framing and handling fragmented messages. This involved parsing and creating WebSocket data packets, managing various message types, and correctly reassembling fragmented data streams. This project significantly improved the application's interactivity and demonstrates my deep understanding of network programming and building robust backend systems.

Backend Engineer

Skylimit LLC.

Remote (USA) Mar 2022 – Present (Part-Time)

As a trusted, long-term partner, I was responsible for the complete backend overhaul and ongoing development for a variety of the client's core systems. My role demanded a versatile approach, from rebuilding key applications to integrating and managing critical business APIs.

- Architected and led the full rebuild of a key company website, migrating its entire backend from a legacy system. This process significantly improved site performance and established a scalable, maintainable foundation to support future growth.
- Integrated and managed multiple third-party APIs that were essential for core business functions. This included Plivo and Twilio for building a robust automated SMS communication system, and Stripe to handle all aspects of secure payment processing and subscription management.
- Developed and maintained bespoke CRM and lead management systems, designing a new, efficient database schema to streamline how the company handled client data. This work automated key operational workflows and improved overall data integrity.
- Analyzed and resolved complex and challenging bugs, particularly within the Text-to-Speech (TTS) services. This required deep analysis of API responses and system logic to ensure consistent and reliable audio generation and delivery.
- Collaborated directly with the client's team to define technical requirements, troubleshoot issues, and provide strategic input on future feature development. This led to a consistent, long-term working relationship built on trust and reliable delivery.

Interested in

Workflow AutomationCustom Software SolutionsDeep Learning & Data AnalyseUI & UX

SaaS DevelopmentInformation SecurityBusiness SolutionsDrawingStartup Building

Learn AssemblyProduct DevelopmentClient RelationsProblem SolvingTech Consulting

Code Optimization

Skills

Programming Languages

TypeScript (JS)JavaScript

PythonPHPJavaSQL

HTML5CSS3GoLang

Frameworks

LaravelNode.jsChart.js

Still.js~Three.js~ React

P5.jsRive~ Django

Android SDK

Databases

MySQLGoogle Cloud Sql

~ PostgreSQL~ MongoDB

Cloud Platforms

AWSGoogle Cloud Platform

HostingerDigital Ocean

Tools & DevOps

Sublime (Text / Merge)Krita

FigmaPostmanVS. Code

DockerGit

APIs & Protocols

OAuthHTTPSSHFTP

WebSocketsRESTful APIs

WebhooksMVC Pattern

Server-Sent Events (SSE)

TCP / IPSDK

Languages

EnglishConversational (B1)

ArabicNative speaker