

Khattab Abdulhameed

Full Stack Developer

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👤 PROFILE

I am a highly skilled Full-Stack Developer with expertise in both frontend and backend technologies. With a strong foundation in C, C++, and Python, I have developed a deep understanding of software development principles and best practices.

On the frontend, I specialize in building modern, responsive, and interactive web applications using React, Next.js, Tailwind CSS, and Bootstrap. I have a keen eye for design and usability, with experience in tools like Figma and CorelDRAW for UI/UX design.

On the backend, I am proficient in Django, FastAPI, Flask, Node.js, and Express.js, enabling me to develop robust, scalable, and high-performance web applications. I have hands-on experience working with databases such as MySQL and PostgreSQL, ensuring efficient data management and retrieval.

I am well-versed in version control with Git and GitHub, and I use VS Code as my primary development environment. My workflow is optimized for collaboration and agile development, making me adaptable to fast-paced team environments.

With a passion for problem-solving and continuous learning, I am always exploring new technologies and best practices to enhance my skill set. I thrive in building scalable applications that deliver a seamless user experience and efficient backend performance.

Key Skills:

- ✓ Languages: C, C++, Python, JavaScript
- ✓ Frontend: React, Next.js, Tailwind CSS, Bootstrap
- ✓ Backend: Django, FastAPI, Flask, Node.js, Express.js
- ✓ Databases: MySQL, PostgreSQL, MongoDB
- ✓ Tools: Git, GitHub, VS Code, Figma, CorelDRAW, Postman, Linux
- ✓ Development Approach: Full-Stack Development, API Development, Database Management, UI/UX Design.

👛 PROFESSIONAL EXPERIENCE

Blog Application (Django, Nextjs, SQLite/PostgreSQL)

01/2024 – 12/2024

Developed a feature-rich blogging platform with user authentication, commenting, likes, subscriptions, and real-time notifications.

Ekiti, Nigeria

Implemented role-based access control (RBAC) for bloggers and readers.

Optimized database queries for improved performance.

E-Commerce Website (Next.js, Node.js, Express, MongoDB/PostgreSQL, Stripe)

Built a responsive e-commerce platform with product listings, cart management, checkout, and payment integration using Stripe.

Integrated authentication (JWT) and secure user data storage.

Designed an intuitive admin dashboard for managing products, orders, and users.

Chat Application (Flask/Node.js, Socket.IO, React, PostgreSQL)

Developed a real-time messaging platform with WebSocket-based live chat functionality.

Added support for emoji reactions, file sharing (images, PDFs, videos), and voice messages.

Implemented read receipts and notification badges for unread messages.

Python Scripts & CLI Tools (Python, FastAPI, Bash, SQL)

Created various automation scripts for data scraping, file management, and system monitoring.

Developed CLI tools for database migrations, API testing, and text encryption.

Used FastAPI to build lightweight RESTful APIs with automatic documentation.

EDUCATION

CS50 Intro to programming with Python, Harvard University

I took CS50'S Introduction To Programming With Python popularly known as CS50P

01/2025 – 02/2025
United States

CS50 Intro to computer science, Harvard University

I took The CS50'S Introduction To The intellectual art of of computer science popularly known as CS50X

04/2024 – 12/2024
United States

CS50'S Introduction To Web Programming With Python and JavaScript, Harvard University

I am currently taking CS50'S Introduction To Web Programming With Python and JavaScript popularly known as CS50W

02/2025 – present
United States

SKILLS

Programming Languages



Experience with Languages Like Python, JavaScript and C/C++

Backend Development



Proficiency With Backend Frameworks Like Django, Flask, FastAPI and Node js

Development Tools



Expertise With Tools Like Git, GitHub, Postman, vscode, e.t.c

Command Line Interface Tools



Expertise With Building CLI Tools To ease development using languages like C and Python

Frontend Development



Building Frontend Application Using Vanilla JavaScript with HTML and CSS and Bootstrap. And Also Using Frontend Frameworks (React , Nextjs and Tailwind CSS)

API Development



Proficiency With Building Restful API using Django Rest Framework and Express JS

Database Management



Proficiency in relational databases like Postgre SQL, MySQL and SQLite. And non relational databases like MongoDB

Data Entry And Management



Proficient in high-speed and accurate typing (50+ WPM) with strong attention to detail, ensuring precise data input and error-free records. Experienced in managing, cleaning, and organizing large data sets using tools such as Microsoft Excel, Google Sheets and databases. Familiar with cloud-based collaboration tools (Google Workspace), CRM systems, and basic database operations. Demonstrates excellent time management, confidentiality, and reporting skills in fast-paced environment

CERTIFICATION

CS50X - Introduction To Computer Science

Certificate earned for completing Harvard's rigorous introduction to computer science, covering algorithms, data structures, and problem-solving in C, Python, and SQL.

Angela Yu's Web Development Bootcamp (Udemy)

Completed a hands-on web development bootcamp covering HTML, CSS, JavaScript, Bootstrap, React, and backend fundamentals.

Django Documentation – Self-Taught Mastery

Independently mastered Django by studying its official documentation, building scalable web applications with authentication, REST APIs, PostgreSQL, and deployment best practices.

FastAPI Documentation – Self-Taught Mastery

Studied FastAPI's official documentation to develop high-performance APIs with Python, leveraging async capabilities, automatic documentation, and Pydantic for data validation.

CS50P - Introduction to Programming with Python

Gained a strong foundation in Python programming, including OOP, file handling, data structures, and automation, earning a certificate from Harvard.

The Odin Project – Full-Stack JavaScript Development

Earned a certificate for completing a comprehensive full-stack development curriculum, covering HTML, CSS, JavaScript, Node.js, Express, React, databases, and deployment through real-world projects.

Node.js Documentation – Self-Taught Mastery

Learned Node.js through its official documentation, focusing on backend development, asynchronous programming, Express.js, REST APIs, and database integration.

Next.js Documentation – Self-Taught Mastery

Gained expertise in Next.js using its official documentation, learning server-side rendering (SSR), static site generation (SSG), API routes, and full-stack development with React.

PROJECTS AND RESEARCH

Research On Improving The C Ecosystem, Making C available For Backend Needs [↗](#)

I discovered that there are so many c developers who really are talented with using it but find it difficult to create their backend API with it, so I'm developing a Rest Framework In C for C developers to be able to create Scalable and Efficient APIs Using The Language They Love, Vanilla C.

EasyFlask, Improving The Flask Framework

Flask Is A Backend Framework Built in python for creating web Applications and backend APIs. Flask Developers Do complain about it not being really good for creating standard web apps. My Research has proven that some Developers hate configuring their Applications from scratch, they prefer Django like format but don't want to learn Django.

My solution is to create a boilerplate template that has all configurations needed for a project built in Flask, it's still in the planning stage

LANGUAGES

English



Arabic



 **DECLARATION**

I, Khattab Abdulhameed, Hereby verifies the authenticity of the informations I provided above.



Khattab Abdulhameed