

HAFIZ M ABDULLAH

Full Stack Software Engineer

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Summary

Results-driven Full Stack Software Engineer with expertise in MERN stack 1+ years of experience building scalable web applications. Expertise in React.js, Node.js, Python/Django, RESTful API development, relational databases (MS SQL Server, MongoDB), and CI/CD automation. Proven ability to optimize system performance, enhance API response times by 40%, and scale applications to handle 10,000+ daily requests. Basic understanding of cloud platforms (Microsoft Azure, AWS) and strong security (JWT, OAuth) best practices. Passionate about delivering cutting-edge solutions and optimizing system performance.

Professional Experience

Health Innovaitors

May 2024 – Sep 2024

Web Developer

Remote

- Developed and deployed a scalable backend for email notifications using SMTP, surpassing Framer’s email sending limit by 50%.
- Improved API efficiency, reducing latency by 30%, and optimizing database queries for a 25% faster response time.
- Implemented React.js for front-end optimization, reducing page load time by 40%.

Pakistan Aeronautical Complex Kamra

Jun 2024 – Jun 2024

Intern

- Assisted in developing flight operation software that processed 1M+ real-time data points per hour, working on data handling, real-time processing, and API integration using Node.js and Python/Django.
- Explored microservices architecture, improving software modularity by 35%.

Education

Bachelor in Computer Science

Aug 2022 – Present

FAST NUCES KHI

- Currently a final-year student specializing in backend development and automation.

Skills

Frontend Technologies

React.js — jQuery — HTML5 — CSS3

Backend Technologies

Node.js — Express.js — Python/Django — RESTful APIs — WebSockets

Database Management

MS SQL Server — MongoDB — Redis (for caching)

Cloud & DevOps

Microsoft Azure — AWS (EC2) — Docker — CI/CD (GitHub Actions)

Security

API Security (JWT, OAuth) — Authentication & Authorization

Projects

ResumeTex

Developed backend using Node.js and Express.js for PDF processing. Implemented MongoDB indexing, enhancing query efficiency by 50%. Converted 300+ user resumes to LaTeX with a 95%+ success rate.

- Technologies: Node.js, Express.js, MongoDB, LaTeX

Global Economic Events Analytics Platform

Automated the scraping and analysis of global economic data to replace manual tracking. Achieved 3× faster data sync using concurrent scraping with Selenium + FastAPI, processed data from 5+ sources, and integrated AI APIs for real-time trading signals.

- Technologies: Python, FastAPI, Selenium, MongoDB, React, Vite, Tailwind CSS, OpenRouter, Gemini

Campick (Food Ordering System)

Developed real-time API for order tracking using WebSockets and Redis, reducing order fulfillment time by 30%. Built a scalable authentication system (Organization-based Auth O) using JWT, increasing security by 40%. Provided a solution to optimize cafeteria rush hours, reducing wait times by 50%.

- Technologies: Node.js, Express.js, MySQL, WebSockets, Redis, JWT, API Development

Google Map Data Scraper

Automated Google Maps data extraction using Python and Selenium, increasing data collection efficiency by 70%. Developed a CustomTkinter GUI for a user-friendly experience, reducing manual data entry time by 80%.

- Technologies: Python, Selenium, CustomTkinter

Midjourney Bot

Created a Discord bot to automate interactions with Midjourney AI, reducing manual task execution by 90%. Used Selenium and Python for automated commands and image generation, cutting down processing time by 35%.

- Technologies: Python, Selenium, Discord API

Volunteer Experience

The Bridge of Hopes

Python Backend Developer

- * Designed, developed, and maintained **RESTful backend APIs** for humanitarian initiatives, improving system uptime by **20%** and reducing downtime incidents by **35%**.
- * Delivered and tested **multi-role panel APIs** (Teacher, Student, Admin) using **Django REST Framework (DRF)**, ensuring secure authentication and smooth data flow.
- * Implemented **unit and integration testing** with **Pytest** and **Postman**, increasing API reliability by **40%** and decreasing bug resolution time by **50%**.
- * Optimized database queries using **PostgreSQL indexing**, reducing API response time by **30%** and improving query execution speed by **45%**.

MindTech Al Hadith

Python Script Developer

- * Developed advanced **Python automation scripts** to extract **structured Arabic text** from books, converting raw data into **JSON format**, improving data extraction efficiency by **40%** and reducing manual workload by **60%**.
- * Integrated **Large Language Models (LLMs)** such as **Qwen, Gemini, and Grok** to extract domain-specific text, utilizing **Regex (Regular Expressions)** for precise filtering, increasing text accuracy by **35%**.
- * Optimized **NLP (Natural Language Processing)** pipelines, reducing text parsing errors by **50%** and improving processing speed by **70%** for faster content extraction.
- * Automated data validation and cleaning processes, reducing redundant text processing by **55%** and increasing dataset consistency for downstream AI applications.