



Nashit Saleem

Full-Stack Developer, AI & Automation Expert

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Professional Summary

Results-driven Full-Stack Developer and Automation Expert with extensive experience designing, developing, and deploying production-ready applications for a diverse range of industries. Specializing in building scalable SaaS platforms, AI-powered automation pipelines, and custom data processing solutions. Proven ability to translate complex business requirements into efficient, high-impact technical solutions that reduce manual workload, improve accuracy, and enhance operational efficiency. Recognized as a Top Rated Freelancer on Upwork for consistently delivering high-quality, reliable work.

Technical Expertise

Backend Development

Python, FastAPI, Node.js, Express.js, RESTful APIs, Pandas, NumPy

Frontend Development

React, Vanilla JavaScript, HTML5, CSS3, PyQt5

AI & Machine Learning

OpenAI API, LangChain, AI Agent Development, NLP, FastAI

Automation & No-Code

n8n, Make.com, Zapier, Google Apps Script, Playwright, Selenium, Scrapy

Databases & Data Handling

MongoDB, PostgreSQL, Excel/CSV/XLSX, JSON, SQL

Tools & Platforms

Git, Docker, Google Cloud, AWS, Slack API, WordPress, GoHighLevel

Professional Experience

Python Developer | SoftDev

Dec 2023 - Present

Lead the development of complex software projects, focusing on automating industrial processes and implementing AI models to solve critical business problems.

FBB-IP Engineer | Huawei

Oct 2023 - Nov 2023

FBB-IP Engineer at Huawei Telecommunications. Gained hands-on experience in configuring and maintaining FBB-IP network equipment, troubleshooting connectivity issues. Applied theoretical knowledge, honed technical skills, and embraced teamwork in a dynamic telecommunications environment.

Freelance & Contract Projects

Full-Stack MVP - Automation Platform for Electronics Manufacturing

Built a complex full-stack MVP to digitize and automate capacitor design and testing workflows for the electronics manufacturing sector, replacing hours of manual engineering work with automation pipeline.

Key Achievements:

- Developed a robust FastAPI backend with REST APIs for ingesting and processing various file formats (Excel, CSV, TXT).
- Engineered complex algorithms for capacitor design, tolerance yield calculations, and fire test automation.
- Implemented a modern, responsive React UI for file uploads, batch processing visualization, and generating downloadable reports
- Automated the generation of production-ready build sheets (PDF & PRN formats), QR codes, and optimized component parameters.

Tech Stack: FastAPI, Python, React, Pandas, Numpy, xlwings.

AI-Powered Document Automation for Regulatory Reporting

Developed an AI-driven system to automate the generation of toxicology reports for cosmetic products, integrating OpenAI GPT models with Python to ensure accuracy, consistency, and compliance while drastically reducing human workload.

Key Achievements:

- Automated data extraction from diverse formats (PDF, Word, Excel, HTML) using GPT-powered queries for accurate information retrieval.
- Created an intelligent workflow that dynamically renames files based on content, auto-fills regulatory fields, and inserts structured data into documents.
- Generated CPNP-compliant toxicology reports in standardized Word, Excel, and HTML formats automatically.
- Included a Jupyter notebook for advanced, AI-powered interactive analysis, allowing users to ask complex toxicology-related questions directly.

Tech Stack: OpenAI API, Python, Google Docs API, Jupyter, AI Agent Development.

Automated Cost Calculation SaaS for Electronics Manufacturing

Developed and deployed a professional-grade desktop SaaS application using PyQt5 to automate complex cost calculations, integrating with Excel and AMC Design Master databases to optimize bulk pricing and improve supply chain efficiency.

Key Achievements:

- Reduced manual calculation time from hours to minutes and eliminated manual entry errors.
- Implemented secure PIN-based authentication with role-based access control for Engineers and Operators.
- Designed a modern, dark-themed UI with PyQt5, featuring a responsive and intuitive multi-page workflow.
- Engineered a modular architecture using pandas for data manipulation and xlwings for robust Excel automation, exporting clean reports in CSV/Excel.

Tech Stack: Python, PyQt5, Pandas, xlwings, JSON

Full-Stack Learning & Video Search Platform (Zikra)

Developed a production-ready, full-stack web application combining Quranic learning tools with an intelligent Islamic video search system, powered by an advanced YouTube Data API integration for 800+ educational videos.

Key Achievements:

- Built a scalable backend with Node.js, Express.js, and MongoDB, featuring RESTful APIs and cron job automation for data synchronization.
- Engineered a mobile-first frontend using JavaScript, achieving sub-second search responses through caching strategies and batch API processing.
- Designed a culturally sensitive UI with an Islamic green/gold theme, Arabic typography, and full RTL support.
- Demonstrated end-to-end capabilities from backend API design and database optimization to responsive, user-centric interface development.

Tech Stack: Node.js, Express.js, MongoDB, JavaScript, HTML5, CSS3, Python.

Additional Noteworthy Projects

Automated LinkedIn Content System with AI

Created a hands-free LinkedIn growth engine using n8n and OpenAI to automatically generate, approve, and publish high-quality content, including text and images, from a Google Sheets source.

Tech Stack: n8n, OpenAI API (GPT-4o-mini), Google Sheets, LinkedIn API.

High-Volume & Specialized Data Scraping

Developed multiple advanced scraping solutions, including a scraper for 200,000+ job listings from platforms with bot defenses, and a real estate scraper for MLS listings that handled 2FA via real-time OTP coordination.

Tech Stack: Python, Scrapy, Playwright, BeautifulSoup, Selenium, 2Captcha.

Smart HR & Business Process Automation

Built multiple automations to streamline business operations, including a system using Google Apps Script to send Slack reminders for employee goal reviews and an automated HR offboarding process that generates personalized checklists.

Tech Stack: Google Apps Script, Slack API, Google Sheets, Google Docs.

Conference Attendee Data Processing Pipeline

Built a Python-based ETL system to process and transform over 1,200 nested JSON attendee profiles into structured Excel reports for BI and CRM integration.

Tech Stack: Python, Pandas, JSON.

AI-Powered Academic Email Generator

Developed a tool using LangChain and OpenAI to scrape professor profiles and generate personalized outreach emails for graduate school applicants.

Tech Stack: Python, LangChain, OpenAI API, BeautifulSoup.

Automated Document Classification & Processing

Created a Make.com workflow to automatically read, classify, rename, and distribute scanned documents from Google Drive to the correct departments via Slack and email.

Tech Stack: Make.com, Google Drive API, Slack API.

Dynamic Google Sheets Automation

Engineered a Google Apps Script solution to create dynamic, multi-sheet dependent dropdowns that instantly auto-update from a centralized data source, eliminating manual validation work.

Tech Stack: Google Apps Script, Google Sheets.

Amazon CAPTCHA Bypass Scraper

Deployed a robust Python scraper using Playwright and 2Captcha to bypass security measures, simulate human behavior, and automate product data extraction from Amazon.

Tech Stack: Python, Playwright, BeautifulSoup, 2Captcha API.

WhatsApp Sales Bot for Lead Conversion

Implemented a Manychat WhatsApp bot for a solar energy company to instantly greet, qualify, and route new leads from Meta Ads to sales or support channels.

Tech Stack: Manychat, WhatsApp Business API.

Structural Design Automation for AutoCAD

Developed a Python program using the ezdxf library to automate the generation of detailed structural design DXF files, streamlining the drafting process for engineers.

Tech Stack: Python, ezdxf, AutoCAD.

TikTok Affiliate Messaging Bot

Created a Python and Selenium bot to automate outreach to over 1,000 TikTok creators, inviting them to participate in affiliate sales programs via direct messaging.

Tech Stack: Python, Selenium, WebDriver.

Education

Bachelors in Electrical Engineering (CGPA: 3.19/4)

2019 - 2023

University of Engineering & Technology (UET), Taxila

- **Thesis:** AI Model for Recognition and Synchronization of Quranic Text with Audio.
 - **Relevant Coursework:** Digital Image Processing, Digital Signal Processing, Computer Communication Networks, Data Structures and Algorithms.
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Publications & Awards

Top Rated Freelancer | Upwork & Fiverr

Achieved "Top Rated" status for consistent, high-quality project delivery and client satisfaction.

Publication: Automation of Quranic Content Creation by Leveraging Speech Recognition

This study introduces an innovative AI model that automates content creation while maintaining the sanctity and accuracy of Quranic recitation.

Published in: 2024 4th International Conference on Digital Futures and Transformative Technologies (ICoDT2)
