

NOUR ALDEEN TOFI

Automation Engineer | n8n Workflow Developer | AI Integrations (OpenAI)

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PROFESSIONAL SUMMARY

Automation Engineer with 3+ years in software engineering and hands-on expertise designing, building, and operating production n8n workflows that connect AI models, messaging platforms, databases, and third-party APIs. Built and shipped 5+ end-to-end automation products, including an AI receipt-scanning SaaS, AI-agent Telegram bots, lead-generation scrapers, and AI-scored job pipelines, combining OpenAI (GPT-4o and GPT-4.1) integrations, webhooks, and data stores (Google Sheets, MySQL). Background as a Software Engineering Supervisor (React and TypeScript) with strong API fundamentals, prompt engineering, and an ICPC competitive programming foundation. Fluent in Arabic and English.

AUTOMATION AND AI PROJECTS

Teacher Assistant AI Bot - Telegram AI Agent (Client Project, Saudi Arabia)

n8n AI Agent, OpenAI, Google Sheets, MySQL, Webhooks | 2025 - Present

- Delivered a natural-language Arabic assistant to a private tutor in Saudi Arabia, managing students, schedules, cancellations, and dues through chat; the AI agent calls custom CRUD tools with strict business rules.
- Implemented usage metering, free-trial gating, session memory, and automated lesson reminders scheduled in the Saudi timezone.

Smart Lead Finder - Scraping and Enrichment Pipeline

n8n, Serper.dev Google SERP API, HTTP Scraping, Google Sheets | 2025

- Automated B2B lead generation across Saudi and Jordanian markets: multi-query place search, website scraping to extract emails and WhatsApp numbers, prioritization scoring, and duplicate-safe appends to segmented sheets.
- Reduced manual prospect research to a fully hands-off scheduled pipeline producing scored, deduplicated lead lists.

AI Job-Match Pipeline - Automated Job Hunter

n8n, JSearch API, OpenAI GPT-4.1, n8n Data Tables, Telegram, Gmail | 2026

- Engineered a scheduled pipeline running 5 daily search queries across LinkedIn, Indeed, and Glassdoor, scoring job fit on a 1-10 scale with a structured-JSON LLM evaluator.
- Automated deduplication against n8n Data Tables, Telegram delivery of high-scoring matches, human-in-the-loop approval, and semi-automated applications with tailored AI-generated cover letters sent via Gmail.

Lesson Quality Evaluator - Video-to-Data Service

n8n, AssemblyAI Speaker Diarization, GPT-4.1 Structured Outputs | 2026

- Built a webhook service that transcribes lesson videos with speaker separation and returns structured JSON scoring teacher quality and student engagement.

WORK EXPERIENCE

Technology Consultant

Alessa Group | Saudi Arabia | Jun 2026 - Present

- Own the company software project portfolio end to end and drive business development, acquiring clients and selling product subscriptions.
- Created Smart Scanner, an Arabic-first AI receipt-scanning SaaS for the Saudi, Jordanian, and Syrian markets, turning invoice photos into structured accounting data in roughly 10 seconds.
- Designed the production n8n extraction pipeline (webhook triggers, GPT-4.1 Vision parsing, validation, deduplication, persistence) extracting 70+ fields plus line items, tuned for handwritten Arabic invoices and ZATCA e-invoice fields.
- Automated line-item classification into per-company expense categories at extraction time, feeding a React 19 frontend covered by 494 automated tests.

Software Engineering Supervisor

Distinctive Frontier Co. for Safety Equipment L.L.C | Al Khobar, Saudi Arabia | Jan 2026 - Present

- Lead frontend development (React and TypeScript) and introduce internal workflow automation with n8n to streamline team operations.
- Define coding standards, review code, and align technical delivery with business objectives alongside backend (Laravel) and UI/UX teams.

Frontend Developer / Project Coordinator

Distinctive Frontier Co. for Safety Equipment L.L.C | Al Khobar, Saudi Arabia | Jan 2025 - Jan 2026

- Built an internal platform combining task tracking and quotation management, used daily across departments; promoted to Supervisor within 1 year.

Freelance Project Coordinator and Automation Builder

NexLead | Remote | Mar 2025 - Present

- Deliver client automation and software projects end to end: requirements, scope, workflow design, and delivery.
- Shipped GoldenTag, a jewelry store management app, to the Google Play Store.

TECHNICAL SKILLS

Automation: n8n (AI Agents, Webhooks, Schedules, Error Handling, Data Tables), Workflow Automation, API Integration (REST, JSON, OAuth 2.0), Web Scraping, Telegram Bot API

AI: OpenAI API (GPT-4o, GPT-4.1, Vision, Structured JSON Outputs), Prompt Engineering, LLM Tool-Calling Design, AI Agents

Data and Backend: MySQL (Stored Procedures), Google Sheets API, Google Drive API, Python, Node.js, JavaScript

Development: React.js, TypeScript, Tailwind CSS, Git, GitHub, CI/CD (GitHub Actions), Jira, Agile, Clean Code

ACHIEVEMENTS

- Built and shipped 5+ production automation products connecting AI models, messaging platforms, and databases.
- Promoted from Frontend Developer to Software Engineering Supervisor within 1 year.
- Published the GoldenTag mobile app on the Google Play Store.
- Competed in ICPC / ACPC (2021): algorithmic problem solving and team leadership.

CERTIFICATIONS

Generative AI: Prompt Engineering Basics - IBM

Python for Data Science, AI and Development - IBM

Advanced React - Meta

Foundations of Project Management - Google

EDUCATION

Bachelor of Information Technology Engineering

University of Kalamoon | Sep 2019 - Aug 2024

LANGUAGES

Arabic (Native) | English (Professional Working Proficiency)