

Ahmed Taher

Software Engineer | Full-Stack & Data | AI Systems

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PROFESSIONAL EXPERIENCE

Nomuw Holdings, Inc., Remote, USA — Founding Software & Data Engineer

Jan 2023 – Feb 2026

- Owned the full technical stack as the first and sole engineer for 3+ years, building everything from the initial scraper to production data infrastructure.
- Reduced P&L dashboard load from **10 seconds to under 1 second** by designing materialized views and a dim-date currency-rates table.
- Supplied the analytics layer with millions of product records daily across hundreds of SKUs by architecting a Bronze/Silver/Gold ETL pipeline via Apache Airflow on the Amazon Seller Partner API.
- Shipped the company's first product solo (Django + Vue + Figma designs), then scaled the architecture by leading migration to Kotlin microservices and Nuxt3 as the team grew.

Jordan Design and Development Bureau (JoDDB), Amman, Jordan — Full-Stack Engineer (Contract)

Feb 2026 – May 2026

- Delivered a production-ready platform for Aselsan (defense electronics) in 3 months, hired directly after winning 1st place at the JoDDB Hackathon.
- Covered the full API surface — 44 endpoints across 9 controllers with complete OpenAPI docs — using Clean Architecture on ASP.NET Core 10 with JWT + RBAC and a 10-table PostgreSQL schema.
- Delivered a fully E2E-tested frontend by building React 19 / Next.js 16 / TypeScript with TanStack Query, Zustand, Tailwind CSS v4, and Recharts.

Sitech, Inc., Remote — Full-Stack Engineer

Jan 2022 – Jun 2022

- Shipped the end-to-end mobile product by building Flutter frontend and Django REST backend, including an async email worker for notifications.
- Cut feature development overhead by designing a Django plugin system where views, managers, and serializers register as self-contained modules reused across product surfaces.

ARC Technologies, New Orleans, Remote, USA — Junior Full-Stack Engineer (Angular, Flutter, Django)

Apr 2021 – Jan 2022

- Replaced manual asset tracking with real-time visibility by building a Flutter app with live map and NFC scanning, plus an Angular dashboard for project management, chamber monitoring, and billing.

Aqaba University of Technologies, Amman, Jordan — Junior Full-Stack Engineer (Angular, Django)

Jan 2020 – Apr 2021

PROFILE

Software Engineer with 8 years of professional experience — first commercial project at 13. Employee #1 and equity holder at a US-funded startup. Won 5 hackathons including an international event in Bangkok. Shipped a consumer app with 10,000+ downloads and an open-source Go video-editing library. Comfortable at every layer — from writing an HTTP server and Unix shell in C/C++ from scratch to orchestrating multi-agent AI pipelines. Seeking a visa-sponsored role in Germany; fluent English, German A1.

EDUCATION

42 Network — 42 Amman Aug 2024 – May 2026
CS Core Curriculum

Peer-to-peer, no-lecture engineering program ranked 3rd globally (WURI 2026 Real-Impact). Level 17 unlocks an RNCP credential recognised in Germany & France (master's-equivalent).

Co-founded **Give Back Community Collective (GCC)** — peer-to-peer learning and project standards initiative at 42 Amman.

42 Network — 42 Amman Apr 2024 – May 2024
Piscine: Low-Level Programming

Intensive selection program focused on C programming, problem solving, and Unix fundamentals.

Al-Hussein College Sec. School 2019 – 2023
Tawjihi 96.9/100 — top student; top ~1% nationally

TECHNICAL SKILLS

Languages

C, C++, Go, Python, TypeScript, Kotlin, C#, Dart (Flutter)

Backend & Mobile

Django, FastAPI, ASP.NET Core (.NET 10), Micronaut, NestJS; Flutter, React Native; REST, GraphQL, OpenAPI

Frontend

React / Next.js, Vue / Nuxt, Angular; Tailwind CSS v4, Radix UI, TanStack Query, Zustand

Data

PostgreSQL (dimensional modeling, materialized views, query optimization), Apache Airflow (ETL), MongoDB, SQLite

AI & Agents

LLM pipelines, multi-agent orchestration, MCP integration, Arabic OCR, VLMs (Qwen2/3VL), ChromaDB, Ollama; TTS (Gemini, Qwen); GPU inference on Replicate, RunPod, modal.com

Infrastructure

Linux, Docker, Kubernetes, Portainer, CI/CD, GitHub

- Delivered and maintained the university's full digital infrastructure as sole developer, supporting high-volume weekly workflows for loan/scholarship applications and research publication listings.

Modern Co. For Fertilizer Production (MCFP), Amman, Jordan — Intern Web Developer (Angular, Django)

2018

- Unified company operations across 10 distinct user roles — with RBAC and real-time inter-department chat — first commercial engineering engagement, age 13.

SELECTED PROJECTS

Srrah, Personal Project — Solo Developer

Feb 2020 – 2023

- Reached **10,000+ downloads** on Google Play & App Store by building a privacy-first expense manager in high school and re-engineering it from Ionic/Django to Flutter/Sqflite for offline-first, E2E-encrypted operation.

Project201, Jordan Smart Government Program — Team Lead

Nov 2025 – present

- Led a 6-person team building AI/ML tooling for Jordan's government, after placing #2 at the 42 Asia × CDG International Hackathon (Bangkok).
- Enabled Arabic document intelligence per ministry by fine-tuning OCR models and deploying an LLM summarization pipeline fully on-premise.
- Reduced coordination overhead by building an email-threaded document system and deploying Solidtime and Slicing Pie for the team.

GoMontage, Open-Source Video Editing Go Library — Author

Feb 2026 – present

- Published a video editing Go library at github.com/AhmedHodiani/gomontage — a four-layer video editing library (Clips → Timeline → Compiler → Engine) that compiles Go structs into FFmpeg filter graphs with a full CLI.
- Unlocked visual review of generated edits in a professional NLE by reverse-engineering Kdenlive's C++ source to implement a compatible XML export format.

Webserv, 42 Amman — Systems Project

Jan 2026 – Mar 2026

- Built a complete HTTP/1.1 server in C++98 from scratch without AI (github.com/ahmedhodiani/webserv), implementing epoll/kqueue, virtual hosts, CGI, nginx-style config, chunked encoding, and 3 internal libraries; validated by 130+ test suites.

Agentic YouTube Production System, Personal Project — Architect & Developer

Mar 2026 – present

- Shipped 8 long-form YouTube videos (including a 41-minute documentary) and 12 Shorts by building a 7-phase agentic pipeline (research → draft → script → TTS → B-roll → assembly) with HANDOFF points and machine-readable state.
- Reduced manual production effort by orchestrating concurrent specialised sub-agents (wiki researcher, B-roll planner, resource checker) via a FastAPI server with a Vue 3 dashboard and a self-hosted MediaWiki MCP.

Actions, AWS (S3, Lambda, SNS/SQS), socket programming, epoll

Self-Hosted

Mailcow (mail server), MinIO (S3-compatible storage), PocketBase, Solidtime, Plane, Docker Compose stacks; VPS management on Hetzner & Contabo

Tools

Git, Figma, Postman, Neovim, Tmux

HACKATHONS & AWARDS

#2 Place (International) Nov 2025
42 Asia × CDG Hackathon, Bangkok

#1 Place Oct 2025
JoDDB Hackathon — Jordan Design & Dev. Bureau

#1 Place Oct 2025
MenaDevs AI Hackathon

#1 Place Jun 2025
Dahab Jo Hackathon

#1 Place May 2025
Internal AI Hackathon, 42 Amman

LANGUAGES

Arabic — Native

English — Professional working proficiency

German — A1 (actively learning; targeting B1)