

Abubakr Alsheikh

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SUMMARY

Systems-focused Software Engineer specializing in architecting scalable backend infrastructure, robust developer tooling, and modern full-stack applications. Proven ability to design maintainable, object-oriented systems and complex relational databases using Python, C#, and TypeScript. Passionate about establishing clean CI/CD pipelines and integrating advanced APIs to deliver production-ready, highly extensible software solutions.

EXPERIENCE

Full-Stack Developer

Freelance

Khamsat

Aug 2024 - Present

Developed and deployed a diverse range of full-stack applications, including e-commerce platforms, learning management systems, and corporate landing pages using modern frameworks like Next.js and Django (DRF). My expertise spans from architecting secure and scalable RESTful APIs to managing the end-to-end deployment lifecycle on VPS environments. Adept at working both independently and as a collaborative team member, I consistently contribute to successful project outcomes by delivering high-quality, production-ready code.

EDUCATION

Aleppo University

Bachelor's degree

Information Technology Engineering

Syria, Aleppo

Dec 2023 - Present

Technical diploma

Software Engineering

Grade: 90.36%; 1st graduate

Sep 2021 - Jun 2023

Syrian Virtual University

Bachelor's degree

Information Technology Engineering

Syria, Aleppo

Oct 2021 - Present

PROJECTS

Qader Platform (Learning Management System)

Technologies Used: Django, DRF, Celery, PostgreSQL, Redis, Pytest, WebSockets, Next.js, TypeScript, React, Shadcn/ui

- Architected and developed a scalable Django backend from the ground up, featuring a modular multi-app structure and a versioned RESTful API with a granular, role-based permission system for a custom administrative dashboard.
- Established a modern, type-safe Next.js frontend, implementing a robust internationalization (i18n) framework and a scalable App Router architecture to support complex user flows and a fully localized user experience.
- Engineered a production-ready system by integrating asynchronous task processing with Celery for efficiency and establishing a comprehensive testing suite with Pytest to ensure code quality and long-term reliability.
- Took full ownership of the deployment lifecycle by configuring the production VPS.

Max CLI: Extensible Developer Terminal Tool

[Project Link](#)

Technologies Used: Python, Typer, FFmpeg, Pytest, GitHub Actions (CI/CD), PyPI

- Architected and published a modular, open-source Command Line Interface (CLI) to PyPI, designed to automate complex developer workflows including media transcoding, file manipulation, and web scraping.
- Engineered an object-oriented architecture featuring a custom plugin system, ensuring the codebase remains highly extensible, scalable, and maintainable for long-term open-source contribution.
- Established a robust CI/CD pipeline utilizing GitHub Actions for automated testing (Pytest), strict linting (Ruff), and seamless deployment, guaranteeing production-ready code quality.

NanoManga Studio: AI-Powered Manga Creation Platform (Hackathon)

[Website Link](#) | [Project Link](#)

Technologies Used: Next.js, TypeScript, Tailwind CSS, Shadcn/ui, Google Gemini API (Text & Image Models)

- Developed an interactive, AI-driven web application enabling users to generate cohesive, multi-page manga stories from conceptualization to final downloadable assets.

- Engineered a complex multi-modal prompting system that leverages "visual memory," dynamically feeding previously generated pages and character reference sheets back into the API to maintain strict visual and narrative consistency.
- Architected a structured JSON pipeline for story planning, prompting the LLM to act as a localized art director and story editor to orchestrate character designs, environments, and sequential page layouts.

School Management System

[Project Link](#)

Technologies Used: C#, Windows Forms, Oracle Database, SQL

- Developed a comprehensive desktop application for full-lifecycle school administration, managing interconnected records for students, employees, classes, and complex weekly schedules.
- Architected and integrated a robust relational database using Oracle, utilizing custom SQL scripts for schema creation while implementing strict data validation and error handling to prevent data corruption.
- Applied core Object-Oriented Programming (OOP) principles to build an intuitive, stateful user interface with modular components, designing the system architecture to easily accommodate future reporting and access-control features.

Ghosn (غصن) - AI Smart Farming Platform (Hackathon)

[Website Link](#) | [Project Link](#)

Technologies Used: React, Material-UI (MUI), JavaScript, Axios, React Router, Vite, .NET

- Developed a responsive, multi-step user interface with Material-UI, enabling farmers to easily input complex environmental data for processing and view their personalized cultivation plans.
- Engineered the API integration layer using Axios to consume RESTful endpoints from the .NET backend, implementing a live chat interface for real-time system interaction.
- Implemented comprehensive Right-to-Left (RTL) support and user engagement features, including a dynamic leaderboard and prize system, to create an accessible and motivating user experience.

CERTIFICATIONS

Meta | Coursera

Android Developer Professional

Oct 2025 – Present

Database Engineer Specialization

Issued Oct 2025 | [Verify Link](#)

Back-End Developer Specialization

Issued Feb 2025 | [Verify Link](#)

Front-End Developer Specialization

Issued Jul 2024 | [Verify Link](#)

EBTECH - ERP

Odoo Developer

Issued Dec 2024 | [Verify Link](#)

University of Michigan | Coursera

Django for Everybody Specialization

Issued Jan 2024 | [Verify Link](#)

Python for Everybody

Issued Sep 2023 | [Verify Link](#)

Web Applications for Everybody

Issued Aug 2023 | [Verify Link](#)

Web Design for Everyone

Issued Jul 2023 | [Verify Link](#)

TECHNICAL SKILLS

Front-End: Next.js, React.js, TypeScript, JavaScript, TanStack Query, Zustand, Redux Toolkit, Shadcn UI, Material UI

Back-End: Django, Django REST Framework (DRF), OpenAPI (Spectacular), Python, Node.js, .NET, C#, PHP

Databases & Caching: PostgreSQL, MySQL, SQL Server, Oracle, Redis, Database Design & Optimization

DevOps & Tools: Docker, Git, GitHub, Linux (Ubuntu), Nginx, VPS Management, CI/CD, Celery, WebSockets, Pytest, Figma

ADDITIONAL

Languages: English (Advanced – C1), Arabic (Native)

Links:

- **GitHub:** [Profile Link](https://github.com/Abubakr-Alsheikh/) [https://github.com/Abubakr-Alsheikh/]
- **LinkedIn:** [Profile Link](https://www.linkedin.com/in/abubakr-alsheikh/) [https://www.linkedin.com/in/abubakr-alsheikh/]
- **Portfolio:** [Abubakr Alsheikh](https://abubakr-alsheikh.netlify.app/) [https://abubakr-alsheikh.netlify.app/]