


Qusay Albonni

SOFTWARE ENGINEER

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Summary

Backend developer with hands-on experience building scalable web applications using NestJS, TypeScript, and Django. Skilled in designing robust database models, optimizing APIs for performance, and implementing asynchronous workflows. Proficient in both Python and JavaScript/TypeScript, with expertise in handling complex relationships between models, reusable validators, and real-time communication using WebSockets. Passionate about crafting user-friendly applications, maintaining clean, modular code, and contributing to impactful projects in a collaborative team environment.

Recent Relevant Projects

Tourism Platform:

<https://github.com/QusaiAlbonni/tourism>

A Django-powered backend for a digital ticket-based tourism management system.

- Features include automatic translations (5 languages), localized currencies, and AI-driven Q&A via Google Gemini.
- Implements JWT and Google OAuth2 authentication, real-time notifications (Firebase), and task scheduling with Celery for performance optimization.

Quak Store:

<https://github.com/QusaiAlbonni/quakstore>

An e-commerce platform built with Django, featuring secure Stripe payment integration.

- Technologies: Django, Redis, PostgreSQL, Render, and BackBlaze B2.
- Provides a seamless user experience for browsing and purchasing products.
- emphasis on performance with caching layer implemented using redis and pagination
- collaborated with devs to make an android application for the project which you can find in: https://www.amazon.com/gp/mas/get/android/ref=mas_mbl_ldg_dl?campaign=default&channel=us&appName=hollywood&appVersion=stable&asin=&dl=1

Chatters:

A real-time chat application built with Django Channels and Vue.js, designed for high-performance, asynchronous communication.

- Features:
 - Instant messaging via WebSockets with Django Channels.
 - Dynamic single-page application (SPA) frontend using Vue.js.
 - Scalable and efficient backend supporting real-time operations.
 - Persistent data storage with PostgreSQL and media storage on Backblaze B2.
 - Redis powers session management, caching, and Pub/Sub messaging for optimal performance.
- Tech Stack: Django Channels, Vue.js, Redis, PostgreSQL, Backblaze B2.

Work Experience

Freelance Backend Developer

Self-Employed | [2024-present]

E-commerce Platform (NestJS, TypeScript, PostgreSQL)

- Developing a scalable e-commerce platform with multi-role access for sellers and customers.
- Implementing secure authentication, role-based access control, and efficient order management.
- Optimizing API performance with caching strategies and database indexing.
- Integrating real-time features using WebSockets for live order tracking and notifications.

Chatters – Real-Time Chat Application (Django Channels, Vue.js, Redis, PostgreSQL)

- Built a high-performance real-time messaging platform using Django Channels and WebSockets.
- Designed a single-page application (SPA) frontend with Vue.js for seamless user interactions.
- Leveraged Redis for session management, caching, and Pub/Sub messaging.
- Ensured persistent chat history and media storage with PostgreSQL and Backblaze B2.

Educational History

STUDENT IN COMPUTER SCIENCE

Damascus University

2021- 2026

Technical Skills

- Languages: Python, JavaScript/TypeScript
- Frameworks: Django, Django Rest Framework, Django Channels, Node.js, NestJS, Vue.js
- Databases: PostgreSQL, MySQL, Redis
- Tools: Celery, Backblaze B2, Git, Render
- Web Technologies: WebSockets, REST APIs, Asynchronous Programming
- Deployment: Docker, Cloud platforms

Relevant Skills

- Problem-Solving: Skilled in identifying and addressing technical challenges.
- Adaptability: Quickly learns and integrates new tools and technologies.
- Team Collaboration: Works effectively in cross-functional teams.
- Time Management: Prioritizes tasks to meet deadlines and optimize performance.
- Attention to Detail: Ensures accurate, localized features and smooth functionality.
- Creative Thinking: Innovates user-focused solutions, such as AI integration and real-time features.