


# Qusay Albonni

## SOFTWARE ENGINEER

Backend Developer | TypeScript, Python | NestJS | Scalable APIs & Real-Time Systems

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### Summary

Backend Developer with proven experience building scalable, data-driven applications and real-time systems. Skilled in designing efficient database models, developing high-performance APIs, and architecting reliable, maintainable backend solutions. Proficient in Python and TypeScript, with a strong focus on performance, clean code, and system reliability. Experienced in deploying production-ready applications using modern cloud platforms and CI/CD workflows. Dedicated to creating performant, user-focused systems through collaboration and technical precision.

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### Work Experience

#### Freelance Backend Developer

*Self-Employed* | [2024-present]

##### ***Rahal – Smart Ride-Hailing App***

An innovative platform connecting riders and drivers in real-time for a seamless, efficient, and transparent transportation experience.

Highlights:

- Built ride-request, real-time tracking, dynamic pricing, and multi-payment features.
- Developed driver and admin dashboards with analytics, rankings, and performance tracking.
- Integrated Google Maps for routing and live updates.
- Implemented secure payment gateways and multi-language support for global scalability.

##### **Arabesk E-commerce Platform (NestJS, TypeScript, PostgreSQL, Redis)**

Developing a scalable e-commerce backend with multi-role access for sellers and customers. Implemented secure authentication, role-based access, and optimized APIs with caching and indexing. Integrated Firebase for push and inbox notifications and AWS services (S3, Rekognition, CloudWatch). Deployed and maintained on Fly.io using Docker.

##### **Delta Team – Education Platform (NestJS, TypeScript, PostgreSQL, Redis)**

Developed and deployed the backend for an educational platform enabling QR-based video course purchases and access. Designed REST APIs for browsing, purchasing, and file delivery with role-based access (admin, teacher, student). Managed data with PostgreSQL, caching and sessions with Redis, and deployed via Docker on Fly.io with Tigris storage and Upstash Redis.

if you want to check more details and a gallery showcase and more of my work check my portfolio:

<https://qusayalbonniportfolio.netlify.app/>

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## Certificates

### **Mongodb Node.js Developer**

*By Mongodb*

ID: MDB1jfwhami22

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## Educational History

### **STUDENT IN COMPUTER SCIENCE**

Top 10 ranking in Damascus University  
2021-

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## Technical Skills

- Languages: TypeScript, JavaScript, Python
- Frameworks & Libraries: NestJS, Django, Django Channels, Node.js, Vue.js
- Databases: PostgreSQL, MySQL, Mongodb, Tile38
- Caching & Queues: Redis (Pub/Sub, Queues), Celery, BullMQ
- API Design: REST, WebSockets, Swagger/OpenAPI, JWT, OAuth2 (Social Auth), Rate Limiting
- Architecture Patterns: Event-Driven Architecture, CQRS, /Hexagonal, Clean, Layered/
- DevOps & Deployment: Docker, CI/CD (GitHub Actions etc..), AWS, Fly.io, Render, Railway
- Monitoring & Logging: Sentry, CloudWatch
- Tools: Git, ESLint, Vscodex, pgAdmin, Mongoose

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## Relevant Skills

- Problem-Solving: Skilled in identifying and addressing technical challenges.
- Design & Analysis: skilled at analyzing requirements and designing software for it.
- Geospatial Expertise: skilled in handling geospatial data and integrating geo features.
- 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.
- Native or Bilingual in: Arabic, English.