

Abdulrahman Tamassili Khanji

Backend & Cloud Engineer | Riyadh, Saudi Arabia (Valid Iqama) | Open to Relocation | DOB: May 2002
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Backend and Cloud Engineer who shipped 5+ production platforms serving 20,000+ users across three continents, reducing PostgreSQL latency by 70% and saving \$2,000+/month through payment security hardening. Sole engineer responsible for integrating AI into live backends. Owns the full delivery lifecycle from database design to Docker deployment and team coordination.

Technical Skills

Languages: C#, TypeScript, JavaScript, Python, SQL, HTML5, CSS3
Backend & Architecture: ASP.NET Core, Node.js, Deno, FastAPI, REST APIs, Webhooks, Clean Architecture, Repository Pattern, SOLID, Dependency Injection, API Versioning, Middleware
Databases & Caching: PostgreSQL, SQL Server, MongoDB, Redis, EF Core, Dapper, SQLAlchemy, Indexing, CTEs, Transactions, Connection Pooling, Hierarchical Data Trees
Cloud & DevOps: AWS (S3), Docker, Azure DevOps, Cloudflare (DNS/SSL/Email Routing), Linux Server, Nginx, Git, Swagger, Postman
Security: JWT, RBAC, Bcrypt Hashing, AES Encryption/Decryption, HTTPS/SSL, Idempotency, Request Validation
AI & Data: RAG Pipelines, Qdrant Vector Search, Google Gemini, OpenAI, AI CLIs (Cursor, Antigravity, Claude Code)
Frontend (Secondary): Angular, Ionic, Capacitor, GSAP, 3D/Animations, Tailwind CSS

Work Experience

Backend Software Engineer
Nawaah

Jun. 2025 – Mar. 2026
Tripoli, Lebanon

- Owned backend architecture across 5+ production platforms (PetVivo, Dine AI, Agentic Pet) serving 20,000+ users across the Middle East, USA, and Canada, building reusable typed repository patterns and standardized API wrappers that cut boilerplate by 35%.
- Sole AI-backend integration engineer: built Gemini Flash RAG middleware with 10+ function-calling API tools, streaming chunked responses via WebSockets (SignalR) and powering real-time AI chatbots for 20k+ users.
- Reduced PostgreSQL query latency by 70% (850ms to 244ms) through EXPLAIN ANALYZE profiling, B-Tree indexing, recursive CTEs, connection pooling, and Redis TTL caching under production load.
- Hardened payment gateways against fraud and SQL injection using rate-limiting, idempotency keys, and request validation, preventing \$2,000+ in monthly abuse and passing security audits.
- Built real-time webhook middleware and hierarchical self-referencing data structures (recursive CTEs) for multi-level menus, eliminating over-fetching and resolving multi-user editing conflicts.
- Integrated AWS S3, Resend SMTP for OTP verification, Cloudflare DNS/SSL routing, and built subscription billing and loyalty reward systems that increased engagement by 25%.
- Shipped 5+ apps end-to-end: database design, API development, Bcrypt/AES security, Docker containerization on Linux, CI/CD pipelines, and agile sprint management on Azure DevOps in a 10-person team.

Projects & Infrastructure

Orcast.net Server Infrastructure | *Linux, Hetzner VPS, Docker, Nginx, Cloudflare, UFW*

Jul. 2026 – Present

- Hardened a Hetzner Linux VPS with Nginx reverse-proxy, UFW firewalls, Cloudflare proxying, and automated Let's Encrypt SSL, maintaining 99.9% uptime across production apps.

Salary Solution | *Python, FastAPI, MySQL, Ionic, Capacitor, Docker*

Jul. 2026 – Present

- Built a multi-company payroll platform using FastAPI and SQLAlchemy with a cross-platform Ionic/Capacitor mobile client, deployed via Docker on a Cloudflare-secured Cloud VPS.

GarageMaster (Senior Capstone) | *ASP.NET Core, EF Core, Dapper, Angular 19, PostgreSQL*

Feb. 2025 – Jun. 2025

- Designed a multi-tenant B2B ERP platform (Sales, Ordering, Maintenance) with Clean Architecture, multi-schema isolation, API versioning, Dapper reads, and an Angular 19 frontend managing a 22-step service workflow.

Education

City University of Lebanon
Bachelor of Science in Computer Science | **GPA: 3.8/4.0**

Tripoli, Lebanon
Aug. 2022 – Jun. 2025

Languages

Arabic: Native/Fluent | **English:** Professional | **French:** Basics