

AHMED DARWISH

Backend & Platform Engineer
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SUMMARY

Versatile and results-driven platform architect with 7+ years of experience designing and building scalable backend systems, developer tooling, and BaaS-powered platforms. Specialized in cloud-native architectures, multi-tenant SaaS, and Supabase-backed systems. Contributor to the open-source community, particularly in **Supabase** (Auth and Storage Go clients) and **PrimeVue**, with a passion for creating maintainable ecosystems and developer-first tooling. Experienced in delivering robust backend services using Go, PostgreSQL, gRPC, and TypeScript.

KEY SKILLS

- Languages & Tools: Go, TypeScript, Node.js, Vue 3, Flutter, Tailwind CSS, HTML/CSS
 - Databases: PostgreSQL, Supabase, MSSQL, NoSQL
 - Protocols & APIs: gRPC, REST, GraphQL
 - Platforms: Supabase (Auth, Storage, Edge Functions), Firebase, Redis
 - DevOps: Docker, CI/CD, GitHub Actions, DigitalOcean
 - Architecture: Multi-tenant SaaS, Microservices, CQRS, Clean Architecture
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PROFESSIONAL EXPERIENCE

Senior Platform Engineer

ABC Hotels, Egypt
2024 – Present

- Architected and led the development of **Yalabina**, a multi-tenant hotel reservation platform used by over 20 hotel properties.

- Designed the backend architecture using **Go**, **gRPC**, **PostgreSQL**, and **Supabase Auth/Storage**, with modular services and tenant isolation.
- Built a full-stack platform with Vue 3 and Tailwind CSS, including content CMS, booking engine, pricing rules, and admin dashboards.
- Automated provisioning of new hotel tenants through **Devkit CLI**, reducing setup time from 3 days to under 1 hour.
- Integrated Salesforce and payment gateways (Stripe, Paymob), increasing booking conversion rates by 15%.
- Delivered 99.99% uptime across staging and production using containerized deployments and CI/CD pipelines.
- Created reusable mocks and test harnesses to support local and automated testing across gRPC endpoints.

Lead Full Stack Developer

Melon, Egypt

2021 – 2023

- Led a team of 5 engineers in the development of a restaurant management suite (POS, KDS, Waiter App, Digital Menu) deployed in over 30 venues.
- Built real-time, offline-first sync system using **WebRTC** and Vue.js, ensuring data availability in disconnected branches.
- Developed the full client suite:
 - Web Admin Dashboard and POS with role-based access
 - Flutter Android App with printer support
 - Web-based Digital Menu for customer ordering
 - KDS (Kitchen Display System) for kitchen operations
- Created the open-source **v-dashkit** Vue component library for admin CRUD UIs, reducing dashboard development time by ~30%.
- Deployed CI/CD pipelines with preview environments, GitHub Actions, and branch-based testing.

Full Stack Developer

Business Pro, Remote (USA)

2019 – 2022

- Developed **Alshab Alriyadi**, a platform connecting entrepreneurs and investors, with over 5,000 monthly active users.
- Designed and implemented scalable microservices using **Node.js** and **PostgreSQL**, improving response times by 25%.
- Added real-time chat and search features, increasing user engagement and match success rates by 30%.

- Collaborated with remote product and design teams, reducing release cycles by 20%.

Web Developer

Elnozom, Egypt

2018 – 2020

- Modernized legacy ERP systems (15+ branches) by integrating web portals with MSSQL and migrating to cloud infrastructure.
 - Built PDA applications for field sales and inventory, increasing on-site data accuracy by 25%.
 - Designed a DNS automation system for seamless remote access to on-prem databases, reducing IT support overhead by 35%.
 - Reduced infrastructure cost by 15% through phased cloud migration and streamlined configuration.
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PROJECTS

Devkit CLI

Monorepo CLI tool for platform automation

- Built with Go and designed to automate full-stack Supabase-based project scaffolding, including Auth, SQL, and Storage.
- Enables rapid bootstrapping of tenants with seeded users, files, and permissions in under 30 seconds.
- Core tool for onboarding and DevOps operations at ABC Hotels and internal tools.
- Fully scriptable and integrated into CI/CD pipelines.

Devkit API

Modular gRPC backend framework

- Designed with Clean Architecture principles using Go, Buf, and Connect.
- Implements CQRS, Redis caching, request tracing, and multi-tenant isolation.
- Powers the core backend for Yalabina and other internal tools.
- Provides centralized access to Supabase services, audit logs, and session control.

SQLSeeder

Declarative PostgreSQL data seeding tool

- Allows seeding complex relational data from Excel and JSON into Supabase-hosted or standard PostgreSQL databases.
- Supports environment-specific branching, migration safety, and structured relationship resolution.
- Used across dev/staging/test environments and integrated with Devkit CLI for onboarding workflows.
- Built with Node.js and open sourced for community use.

Yalabina

Hotel reservation and content platform (owned by ABC Hotels)

- Multi-tenant platform enabling booking, property management, and guest CMS operations across 20+ hotels.
 - Built with Supabase (Auth, Storage, Functions), Go (API), and Vue 3 (UI).
 - Integrated dynamic pricing, availability sync, and multi-user role management with real-time updates.
 - Achieved a 40% reduction in operational overhead through full automation and unified infrastructure.
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OPEN SOURCE CONTRIBUTIONS

- **Supabase (Go Clients)**: Contributed bug fixes, enhancements, and DX improvements to the official Supabase Go SDK for Auth and Storage. Introduced multi-environment support and improved API reliability.
 - **PrimeVue**: Submitted pull requests addressing bugs and improving developer experience in core components. Supported TypeScript compatibility and contributed refinements to input behaviors.
 - **Tooling Projects**: Creator of open-source tools such as [Devkit CLI](#), [SQLSeeder](#), and [v-dashkit](#), widely used in internal and demo systems.
 - GitHub Profile: github.com/darwishdev
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EDUCATION

Future Academy

Bachelor of Science in Information Systems

Cairo, Egypt