ADEL ABDULAZEEM

Backend Engineer

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SUMMARY

Backend Engineer with experience building performant and user-friendly web applications. Creator of MedPrep-Guide, A complex data-driven platform designed for high reliability and usability. Strong focus on delivering intuitive interfaces and scalable code.

EXPERIENCE

IRYSS   **May 2025 - Present**

Backend Engineer   *Remote*

- Designed and built a backend API for a CRM and campaign manager using Node.js, Express, and PostgreSQL (Supabase).
- Built a scalable email campaign system using Redis + Bull queues with worker processes, supporting retries, monitoring, and integrations with external mail providers.
- Added multi-tenant authentication and security features (JWT, Supabase auth, optional 2FA) to support organizational use cases.

100Devs   **Mar 2023 - Apr 2025**

Software Engineer   *Remote*

- Built MediPrep-Guide, a web app for clinicians to check medication prep guidelines quickly. Focused on speed and clarity. The goal was to cut down prep mistakes and save staff time. Early feedback indicated that it helped reduce waste in reconstituted medications.
- Contributed to Together App, a community-driven group calendar for 100Devs events, by developing features and fixing issues, enabling hundreds of community members to stay updated At public events.
- Partnered with cross-functional development teams to design and deploy modern, responsive web Applications, driving a 25% increase in user engagement through enhanced tracking features.

Banha University Hospitals   **Feb 2022 - Feb 2023**

Inpatient Pharmacist   *Banha, Egypt*

- Reviewed and verified an average of 120–150 inpatient medication orders per shift, ensuring accuracy in dosing, contraindications, and interactions.
- Mentored 7+ pharmacy interns and junior pharmacists per academic cycle, delivering bedside teaching and structured clinical sessions.

Allianz Group   **Dec 2020 - Jan 2022**

Approval Officer   *Cairo, Egypt*

- Processed 90+ daily healthcare authorizations using the TATSH management system, reducing approval times by 35%.
- Managed health insurance contracts with an annual ceiling of up to 1 million USD

SKILLS

- **Programming Languages**: JavaScript, Typescript
- **Runtime & Frameworks:** Node.js, Express, NestJS
- **Databases:** MongoDB, PostgreSQL, Supabase
- **DevOps & Cloud:** Git, GitHub, Docker, CI/CD, Google Cloud, Microsoft Azure, AWS
- **API & Authentication:** RESTful APIs, JWT, OAuth 2.0

EDUCATION

Zagazig University   **2015 - 2020**

Bachelor's degree, pharmacy