

Abdelrahman Bayoumi

Back-End (Node.js) & Desktop Application Developer

📍 Alexandria, Egypt

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Summary

- Experienced **Back-End** developer with 2 years of hands-on experience in building applications using Node.js, Express.js, and Nest.js.
- Proficient in working with various **databases** such as PostgreSQL, MongoDB, SQLite, MySQL.
- Proficient in front-end development: HTML, CSS, JavaScript, with ongoing growth in **Angular**.
- Expertise in desktop application development using JavaFX framework.
- Successfully developed and deployed **over 10 desktop applications**, some of which are actively used by companies and shops.

Work Experience

Code Clinic

05-2019 - Present

Co-Founder & Software Engineer

- Developed and maintained multiple desktop applications using technologies such as **Node.js**, **PostgreSQL**, **JavaFX**, CSS, Scene Builder, SQLite.
- Worked with a team of developers to build multiple desktop apps like: Restaurant & PlayStation management system And Sunglasses Shop management system.

Zayir Alkhayr Charitable Foundation (زائر الخير)

11-2021 - 12-2022

Desktop Application Developer (JavaFX)

- Developed modules for employee management, payroll, attendance tracking, Hajj/Umrah registration, and Quran memorization courses.
- Created sections for recording data of poor families, individuals, and orphans, facilitating efficient distribution of donations.
- Implemented inventory management for efficient stock tracking.

EDUCATION

Bachelor of Science in Computer Science

09/2017 – 07/2021

Faculty of Science, Alexandria University. Grade: **Excellent with honors** 3.72 CGPA.

Graduation Project: **PlayStation & Restaurant management system**

Technologies: JavaFX | SQLite | REST APIs | Node.js (Express.js) | PostgreSQL | HTML | CSS | JS

Summer Trainee (UI/UX)

08/2020 – 09/2020

At **Information Technology Institute (ITI)**. Learned Photoshop, Illustrator, Adobe XD, HTML, CSS, bootstrap, JavaScript, UX, and responsive design. [Behance Profile](#)

Projects

- **Shop Follow-up:** Website That Allow Shop Owners to Follow up Their Shops Remotely, Shows Transactions (new payments – and any expenses) and make him aware of the daily income for everyday by details, and Send Notifications with New Transactions.
Technologies: **Node.js**, Express.js, **PostgreSQL** [Website](#)
- **IR Models:** Implementation of IR models (Link Analysis - Statistical model - Vector space model)
Technologies: Front-End: HTML & CSS, Back-End: **Python & Flask.** [GitHub](#)

- **Azkar-App:** Desktop application for calculating Muslim prayer times, displays a Morning and Night Azkar with reminder, and shows a notification for random Azkar that pops-up every specific time.
Technologies: **JavaFX**, FXML, CSS, **SQLite**, Flyway [GitHub](#)
- **Sunglasses Shop management system:** I was responsible for building the front-end for Salles, store products, expenses, statistics, archive, and reports.
Technologies: JavaFX, FXML, CSS, SQLite [YouTube](#)

Skills

- **Languages:** JavaScript, Java, C++, Python, HTML, CSS.
- **Frameworks & Libraries:** JavaFX, Express.js, **Nest.js**, Flask, Bootstrap, **Angular**.
- **Database:** Relational (**MySQL**, **SQLite**, **PostgreSQL**) – NoSQL (**MongoDB**).
- **General:** Unit Testing, Socket, **Docker**, Photoshop, AdobeXD, Figma.

Addition Experience and Awards

- Completed Server-side Development with NodeJS, Express and MongoDB from The Hong Kong University of Science and Technology on Coursera. [Certificate](#)
- Participate in **ECPC (2020) Qualifications** Round. [ICPCID](#)