

# Youssef Tarek Hussein Ibrahim

Full Stack Software Engineer

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Military Service: Finished

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## SUMMARY

Full Stack Software Engineer with 4+ years of experience building scalable web applications, SaaS platforms, and AI-powered systems. Expert in **React.js**, **Node.js**, **REST APIs**, **MongoDB**, **PostgreSQL**, and workflow automation. Skilled in clean architecture, performance optimization, and delivering maintainable, production-ready solutions.

## SKILLS

### Frontend

React.js, Next.js, Redux Toolkit, TypeScript, JavaScript (ES6+), HTML5, CSS3, SASS/SCSS, Material UI, Tailwind CSS, Shadcn/ui, Bootstrap 5, PWA/TWA, Storybook, Axios, React Hook Form, Formik

### Mobile Deployment

PWA, TWA (Android), Capacitor (iOS)

### Frontend Concepts:

SPA, CSR, Component Reusability, API Integration, Cross-Browser Compatibility

### Backend

Node.js, Express.js, Nest.js, REST APIs, GraphQL, JWT, Firebase

### Databases

MongoDB, PostgreSQL

### Testing & Quality

Jest, React Testing Library, MSW

### Architecture & Engineering Practices

Clean Architecture, SOLID Principles, Design Patterns, System Design, Debugging & Performance Optimization

### AI & Automation

Custom ChatGPT Agents, AI Agents & NLP Intent Handling, Automation Workflows

### DevOps & Tools

Linux (CLI, Server Administration), CI/CD Pipelines, Git, GitHub, Bitbucket, Agile/Scrum, Jira, Docker, Nginx, Webpack, Bitrise (Mobile CI/CD)

## CERTIFICATES AND TRAINING

Udacity – Advanced / Expert Web Development Program (2021)

Core Technologies: HTML, CSS, JavaScript

## PROFESSIONAL EXPERIENCE

### Full Stack Engineer

DGTEC

2025 – Present

- Developed a multi-tenant SaaS platform with **analytics dashboards**, improving reporting speed by **30%**.
- Designed and implemented secure **REST APIs** with **Node.js & Express.js** for authentication, payments, and automation.
- Integrated **MongoDB & PostgreSQL** databases with ETL pipelines and third-party systems.
- Connected **Python services** with Node.js backends and React frontends for automated data workflows.
- Implemented **JWT**, **Firebase Authentication**, and **reCAPTCHA**, enhancing system security and access control.
- Automated tasks using **AI agents**, boosting team productivity.

### Full Stack Engineer

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2022 – 2025

- Developed enterprise **HR system modules**: Recruitment, Performance, Leaves, Notifications, Reporting.
- Built scalable **React applications** with **Redux Toolkit & Material UI**, using reusable components.
- Integrated **Node.js middleware** with Java-based enterprise backend systems.
- Built a **ChatGPT-powered assistant** to process natural language requests, automating workflows and reducing manual effort.
- Transformed a web application into fully deployable mobile applications, utilizing **PWA & TWA for Android** and **Capacitor for iOS**, ensuring native capabilities and successfully releasing both apps on the Google Play Store and Apple App Store.
- Participated in **Agile/Scrum ceremonies**, debugging, and performance tuning.

## EDUCATION

Bachelor's Degree in Commerce & Business Administration

Helwan University

Egypt

## LANGUAGES

Arabic: native | English: Advanced | German: Beginner