Andrew Ashraf Amin

Junior Software Engineer

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Professional Summary

Junior Software Engineer with **hands-on experience** in **Java**, **Spring Boot**, **Node.js**, and **Python**. Skilled in designing and implementing **RESTful APIs** and **database-driven applications** using **PostgreSQL**, **MySQL**, and **MongoDB**. Experienced in **debugging**, **backend optimization**, and **performance tuning**. Passionate about building **scalable**, **secure**, and **reliable backend systems** while continuously learning modern frameworks and **cloud technologies** (**AWS**, **Azure**).

Technical Skills

Backend: Java (Spring Boot), Node.js, .NET (C#), Python
Frontend: React, Next.js, Angular, HTML, CSS, JavaScript
Databases: PostgreSQL, MySQL, Oracle, MongoDB
DevOps & Tools: Docker (basic), Git, GitHub, CI/CD
Other: RESTful APIs, OOP, System Design, Agile, Debugging, System Analysis

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Experience

People Operations Coordinator
MaxAB E-Commerce - *Full-time*
Cairo, Egypt | Mar 2025 – Present

- Manage the **end-to-end onboarding & offboarding process**, ensuring smooth employee experiences and full compliance with company policies.
- Maintain and update **employee records and HR databases** with accuracy and confidentiality.
- Ensure **compliance with Egyptian labor laws** and internal HR regulations across all HR functions.
- Handle **employee services**, including HR letters, leave management, and employee inquiries.
- Prepare and submit official government documentation (Form **1** and **6**, and **Work permit**) accurately and on time.
- Reviewed and audited **1,000+ employee files**, ensuring accuracy, completeness, and proper documentation.

Entrepreneurship Intern
CIB Egypt
Cairo, Egypt | Jan 2022 - Feb 2022

- Gained experience in entrepreneurship with a focus on startup operations, business development, and strategic planning.
- Worked on projects involving business plan creation, idea validation, and market analysis to support product direction.
- Developed a stronger understanding of how product, market, and business decisions influence software project success

- Collaborated with team members to explore new opportunities and understand the challenges of launching and scaling a tech-driven business.

Intern
Banque Misr
Cairo, Egypt | Sep 2020 – Dec 2020

- Completed an internship focused on understanding digital banking operations and core banking systems.
- Gained exposure to financial process flows, system terminology, and how technology supports customer service, financial operations, and administrative tasks.
- Analyzed banking workflows to identify inefficiencies and suggest improvements to enhance operational efficiency.
- Collaborated with different departments through digital tools to understand how system integrations support overall business operations.

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Education

B.Sc. in Business Information System
Sep 2019 – Jun 2023
Sadat Academy for Management Sciences, Faculty of Management Sciences
GPA: 3.2 | Grade: Very Good | Graduation Project: A+
Coursework focused on IT, systems analysis, and software development
TOEFL Certified

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Projects

ERP System (Java Spring Boot) - Personal Project - MaxAB E-Commerce   *Link*
Oct 2025 – Present

Technologies: Java, Spring Boot, PostgreSQL, JPA/Hibernate, RESTful APIs, Maven, HTML/CSS, JavaScript, Thymeleaf

- Designed and developed a modular ERP backend system following layered architecture (Controller–Service–Repository).
- Built RESTful APIs for employee data, contract generation, and insurance management.
- Implemented CRUD operations using Spring Data JPA integrated with PostgreSQL.
- Generated dynamic documents for employee contracts and reports.
- Applied input validation and exception handling to improve API reliability and security.
- Optimized database schema and relationships for better data consistency and performance.
- Utilized dependency injection and modular structure to enhance scalability and maintainability.
- Currently expanding features including authentication, payroll, and reporting modules.

Portfolio Website - Next.js / React   *Link*
Sep 2025 – Oct 2025
- Built a responsive portfolio website using **Next.js, React, Tailwind CSS, and TypeScript**.
- Utilized **Next.js server-side rendering (SSR)** and optimized performance for fast loading.
- Showcases projects, certifications, and skills with a clean, professional design.
- Deployed on **Vercel** with version control via **Git/GitHub** and CI/CD for easy updates.

Schools Guide – Smart School Directory App   ⬈ *Link*

Jun 2022 – Jun 2023 | Graduation Project – Sadat Academy for Management Sciences

- Built a native Android app in **Kotlin** to help parents search and compare schools by location/features.
- Integrated **Google Maps API** for school mapping and **Firebase** for authentication & real-time data.
- Applied **MVVM architecture** for scalability and delivered an intuitive **UI** with onboarding and filtering.
- Achieved an A+ grade and supported peers in troubleshooting their projects

Mini Applications for Skill Exploration   ⬈ *Link*

Jan 2022 – Dec 2023

- Built small-scale apps experimenting with Go, TypeScript, and Docker to broaden technical knowledge.
- Practiced debugging, performance optimization, and full development cycles in different tech stacks.
- Developed and maintained a backend system using **Node.js** and **RESTful APIs**, improving data retrieval efficiency and ensuring seamless integration with the **database**.
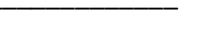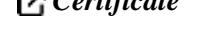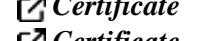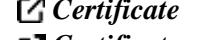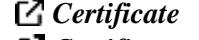
Collaborative Graduation Projects

Jun 2022 – Jun 2023

- Delivered academic projects in teams with a focus on **clean code** and **problem-solving**.
- Practiced **agile** methods including **sprints**, **peer reviews**, and **team-based task management**.

Certifications & Courses

- **CS50: Introduction to Computer Science** – Harvard University *(Nov 2025)*   ⬈ *Certificate*
- **Maven Essentials Training** - Information Technology Institute (ITI) *(Oct 2025)*   ⬈ *Certificate*
- **Java SE Development** - Information Technology Institute (ITI) *(Oct 2025)*   ⬈ *Certificate*
- **Java Database Connectivity (JDBC)** - Information Technology Institute (ITI) *(Oct 2025)*   ⬈ *Certificate*
- **Building Dynamic Web Applications using Servlets and JSP** - (ITI) *(Oct 2025)*   ⬈ *Certificate*
- **Asynchronous Web Development** - Information Technology Institute (ITI) *(Oct 2025)* ⬈ *Certificate*
- **Mastering Object-Oriented Programming (OOP) using C**++ – (ITI) (Aug 2025)   ⬈ *Certificate*

Languages & Additional information

- Arabic (Native)
- English (Fluent)
- Dutch (Basic)
- **Military Service:** Completed — **Exemplary Conduct**