Abdelrahman Tarek

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Education

Cairo University   *Sept 2020 – June 2024*
BS in Computer Science

- GPA: 3.03/4.0
- **Coursework:** OOP, Discrete Mathematics, Software Engineering, Operating Systems, Web, Data Structures, Algorithms, Database ,Computer Networks

Experience

Software Engineer Intern   *Aug 2024 – Oct 2024*
Orange

- Worked with SQL databases (MySQL) and NoSQL databases (MongoDB), focusing on efficient querying, data modeling, and optimization.
- Developed and maintained Java Spring Boot applications, implementing core design patterns for clean, scalable code.
- Participated in testing processes, including unit, integration, and system testing, ensuring high code quality and reliability and gained hands-on experience in secure coding practices, addressing potential vulnerabilities in web applications.
- Collaborated with cross-functional teams to develop and deploy software solutions.

Projects

WEBSERVICE APPLICATION

- Built a RESTful service with Java Spring Boot for mobile recharge, internet, and money transfers. Used design patterns for scalable code and optimized transaction handling with secure payments.
- Tools Used: Java, Spring Boot, Postman

NEWS APP

- Developed a news app back-end using Node.js and MongoDB, and built the app with Flutter. Features included user accounts, news suggestions, article parsing, saving, likes, comments, text-to-speech, and news summarization. Integrated a machine learning model to detect offensive comments.
- Tools Used: Nodejs, MongoDB, Flutter, Python

Bank system

- Developed a bank system using C# and MS SQL, focusing on efficient database management structured table relationships. Implemented account management transaction processing, ensuring integrity performance.
- Tools Used: C#,SQL

Skills

Java(spring boot), Nodejs, Expressjs, REST APIS, SQL, HTML, CSS, JavaScript, React, bootstrap, typescript, Design patterns, git, Agile/scrum methodology, API development, Software Engineering , C++, Java, Python, Java script, C#, C, Team work, Communciation Skills, Time management, Problem solving, Creativity

Achievements

Ranked 8th in the 2023 ECPC Qualifications Collegiate Programming Contest and Qualified for ECPC Finalist.

Participated in 2023 ECPC (Egyptian Collegiate Programming Contest) Finalist.

Ranked 29th in the 2022 ECPC Qualifications Collegiate Programming Contest.