AHMED ELBIALY

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Summary

Experienced Back-end Node.js/Spring Boot Developer proficient in HTML5, CSS3, JavaScript, TypeScript, Node.js, Express.js, NestJS, Java, and Spring Boot. Skilled in SQL and NoSQL databases like PostgreSQL and MongoDB. Specializes in REST and GraphQL APIs, SSR, and socket.io. Strong foundation in OOP, data structures, algorithms, unit testing, and Git. Familiar with Docker and AWS.

Education

Cairo University   **Sep. 2018 – May 2023**
Bachelor of Electrical Power Engineering (GPA: Very Good)   *Giza, Giza*

Experience

National Telecommunication Institute (NTI)   **Feb 2024 – Present**
SOA and Microservices Intern   *Nasr City, Cairo*
- Developed multiple projects using Java SE and Spring Boot framework
- Utilized IBM Business Automation Workflow (IBM BAW) in professional BPM contexts.
- Acquired technical and practical expertise in ECM integration using IBM tools such as IBM App Connect Enterprise, IBM MQ Explorer, and IBM API Connect.
- Courses in Red Hat System Administration 1 and Red Hat System Administration 2.
- Attained technical and practical proficiency in Robotics Process Automation (RPA) utilizing IBM's RPA tools.
- Developed soft skills such as effective communication, business English, teamwork, problem-solving, critical thinking, attention to detail, and time management.

CodSoft, Inc   **Sep 2023 – Nov 2023**
Full-stack Developer Intern   *Virtual*
- Developed 3 full-stack applications, such as social network applications using GraphQL API and React.js.
- Acquired proficiency in the GitHub workflow, emphasizing version control and collaborative development practices.
- Demonstrated the ability to create visually appealing and functional web solutions.

Projects

NestJS Blog | *NestJS, REST API, PostgreSQL, TypeORM, Docker*   **Jan 2024**
- A Dockerized NestJS server-side code for a personal blog application with functionalities such as authentication, role-based authorization (user, admin, editor, chief-editor), JWT, database security, validation, integration tests, and docker images.
- GitHub Repository Link: GitHub-AhmedElbialy/NestJS-Blog

Uber-For-X | *EJS template, CSS3, Express.js, SSR, MongoDB, Mongoose, Socket.io, Docker*   **Jan 2024**
- A Dockerized Server-Side Rendering (SSR) real-time civilian-cop application designed to assist in times of need. This app includes user sign-up, login, map functionality, 7 Socket.io channels for real-time events, a live tracking system, mailing service (utilizing Nodemailer), CSRF protection, and geospatial indexes.
- GitHub Repository Link: GitHub-AhmedElbialy/Uber-For-X

Occla and Facar | *React.js, Express. js, Rest API, GraphQL API, MongoDB, Mongoose*   **Aug 2023**
- Two social network websites facilitating post reading, creation, and publication, complete with all CRUD (Create, Read, Update, Delete) operations functionalities. Occla project comprises a React website and a REST API. Facar project comprises a React website and a GrapgQL API.
- GitHub Repository Links: GitHub-AhmedElbialy/Occla_REST-API , GitHub-AhmedElbialy/Facar$_v$2
- Live Demo Link: React App (facar-adel.netlify.app)

Technical Skills

Web Development: HTML5, CSS3, React (basics), Node.js (Express.js, NestJS), Spring Boot
API Development: REST API, GraphQL API, SSR (Server-Side Rendering)
Database Management Tools: PostgreSQL DBMS, MongoDB, Mongoose, Sequelize, TypeORM, Spring Data JPA
Developer Tools: VS Code, IntelliJ, Postman, IBM App Connect, IBM MQ Explorer, IBM BAW, IBM RPM
Software Design Principles: SOLID principles, OOP, AOP
Other Technologies: Socket.io, Git and GitHub, Docker, Docker Compose, Nginx, AWS Cloud Practitioner

Languages

Arabic: Native
English: Very Good