

Omar Elnagdy

omarelnagdy16@gmail.com ~ github.com/omar212

EDUCATION

Cell: (347)-429-2283

The City College of New York (Grove School of Engineering)

August 2015 - December 2019

Major: Bachelor of Science in Computer Science

New York, NY

Minor: Mathematics

TECHNICAL SKILLS

Core Languages: Java, JavaScript, Python

Web Development: ReactJS, HTML5, CSS/SCSS, Node.js, Angular, GoLang, NextJS, TypeScript

Database: MySQL, MongoDB, NestJS, Firebase

Libraries: jQuery, React Bootstrap, Carbon, Material UI, Webpack, Formik

Cloud Platforms: OpenShift, Docker, IBM Cloud

Testing Tools: Jest, React Testing Library

Other: Concepts in Algorithms & Data Structures, Burp Suite, PostMan, Watson Chatbot, Github, JIRA, Chrome API

EXPERIENCE

IBM **May 2019 - Present**
Southbury, CT

Software Engineer

Software Engineering Co-op

Software Engineering Intern

- Collaborated with a cross-functional team to enhance IBM's cloud-native journaling and departmental software
- Focused on front-end and back-end of IBM's cloud-native applications, GLUI and GUDA
- Utilized modern front-end technologies such as React, Angular, and TypeScript, and modern back-end technologies such as Node.js, Express, Spring, JDBC, and SQL
- Employed IBM DB2 and PostgreSQL relational databases, Docker for containerization, Artifactory for encapsulating Docker images, and IBM Hybrid Cloud
- Contributed to the transition of the global ledger application to a cloud-native solution using similar technologies
- Utilized Git and GitHub for version control, Travis for integrated build tests, and various CI/CD software
- Assisted the team with bug fixes and quality assurance testing through JIRA stories

FirmConnect

January 2022 – May 2022

Software Engineer

New York, NY

- At FirmConnect, a startup company I coded in ReactJS/TypeScript/MongoDb/NextJS/NestJS that implemented a user experience that allowed users to be able to create a consultancy page so that members are encouraged and intrigued to sign up for their class

TECHNICAL PROJECTS

Birthday App **October 2021**

- Coded an application using React JS and Material UI Framework to display a set of 21 questions recurring one after the other along with custom card components and hidden easter egg features.

M&C Studios

March 2019

- Coded an application using React JS, Firebase, OMDb API, and Stripe API to create a real-time movie database with functionalities such as a shopping cart and wishlist with future payment providing the full movie.

HerQuest (Hackathon)

December 2019

- Deployed a Snapchat lens and website using Snapchat Lens Studio API, React, and Material UI to represent women in particular STEM fields to give them the inspiration to be part of STEM regardless of gender.

HackCIO (Hackathon)

August 2019

- Coded an application using React JS, Watson Services, and a Geolocation API to determine which IBM location is nearest to you and most applicable to you to work in with additional details about that certain IBM location.

Web Portfolio

July 2021

- Deployed a website using ReactJS, Github Pages, and Material UI to represent my web portfolio, which includes multiple routing and user-friendly components.

Github API

August 2022

- This app interacts with GitHub to detect images in issue bodies and comments on the issue with the date and time. It is protected with BasicAuth and handles errors with helpful messages. Endpoints include retrieving issue info, checking for images, posting comments, and identifying images.