Omar Elnagdy

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EDUCATION

The City College of New York, CUNY, New York, NY   **December 2019**
Bachelor of Science in Computer Science   GPA: 3.0
- *Grove School of Engineering*
- Minor: Mathematics

TECHNICAL SKILLS

Programming: Java, Python
Web Development: JavaScript, ReactJS, HTML5, CSS/SCSS, MySQL, Node.js, Angular, GoLang
Platforms: Mac OS ,Windows
Libraries: jQuery, React Bootstrap, Carbon, Material UI
Cloud Platforms: OpenShift, Docker
Other: Concepts in Algorithms & Data Structures, Burp Suite, PostMan

EXPERIENCE

IBM   **May '19 - August '19**
Software Engineering Intern   Southbury, CT
At IBM, I worked and collaborated with a diverse team of developers, UX/UI designers, PO's, IM's, testers, etc. from around the world in order to transition IBM's global ledger application for all journal activity to a cloud-native solution utilizing React for the front-end, and a variety of technologies for the back-end micro-services, such as SQL, Java Spring, JDBC, k8s for container-orchestration, and Docker for containerization. As a team, we additionally leveraged a host of CI/CD software to develop the application along with Git and GitHub for version control, and Travis for integrated build tests.

IBM   **August '19 - June 2020**
Software Engineering Co-op   Southbury, CT
Continued the work I finished as an intern, but now as a Co-Op while I was a student at City College of New York. I participated in weekly stand-up meetings relating to the JIRA stories I was assigned. With each story, I assisted the team remotely with various bug fixes and quality assurance testing of the front-end and back-end of the global ledger application.

IBM   **June 2020 - Present**
Software Engineer   Southbury, CT
Full-stack software engineer focused primarily on the front-end and back-end of the IBM cloud-native applications GLUI, the single-entry point to IBM's ledger for all global journal activity and GUDA, the global application for all IBM departmental activities. Works with testers, PO's, IM's, UI/UX designers, and users to enhance IBM's cloud-native journaling and departmental software. Leverages modern front-end technologies, such as React and Angular, and modern back-end technologies such as Node.js and Express, Java RESTful services using Spring, JDBC, and SQL. Utilizes the IBM DB2 and PostgreSQL relational databases, Docker for containerization, Artifactory for encapsulating all Docker images, and IBM Hybrid Cloud.

LAUNCH Math and Science Internship   **June 2018 – Present**
Team Coding/Engineering Leader   New York, NY
- Teach children about algorithms and coding languages, such as Scratch and Python. Build projects to supplement curriculum, such as mBots, using Scratch/Arduino to code actions for the robot.

Department of Education   **May 2016 – Present**
Substitute TA at John W. Lavelle Charter School   New York, NY
- Teach coding languages, such as basic C++, Java, and Scratch.

TECHNICAL PROJECTS

M&C Studios   **March 2019**
- Coded an application using React JS, Firebase, OMDb API, and Stripe API to create a real time move database with functionalities such as a shopping cart and wishlist with future payment providing the full movie. Check it out [M&C Studios](#)

Her Quest *(Hackathon)*   **December 2019**
- Deployed a snapchat lens and website using Snapchat lens studio API , React, Material UI to represent women in particular STEM fields to give them inspiration to be part of STEM regardless of gender. Check it out[HerQuest](#)

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

LEADERSHIP AND ACTIVITIES

Association for Computing Machinery Club   **January 2016 – Present**
- Collaborated with a team to create video games using languages such as JavaScript and React during GameDev events

Arab American Engineering Club   **September 2015 – April 2016**
- Launched a platform for networking; participated in activities/projects to serve the engineering community at CCNY.

CCNY Code Dojo   **September 2015 – April 2016**
- Created multiple websites with HTML; CSS; JavaScript; ReactJS and React Native, as well as gained practical design skills that improved and optimized user interfaces.