Md Hassan

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EDUCATION

City University of New York – John Jay New York, NY
BS in Computer Science and Information Security *GPA: 3.86* - December 2022

WORK EXPERIENCE

KeyBank New York, NY
Software Engineer Intern Nov 2021 - Jan 2022

- Software development focusing on design, coding, and testing
- Analyze requirements to create specifications and design documents
- Develop clean, maintainable, testable code for work assigned; perform peer code reviews
- Research on different technologies & methodologies to recommend the optimal solutions to the problem

KeyBank New York, NY
Bank Associate Jan 2018 - June 2020

- Processing transactions, such as deposits, withdrawals, or payments, resolving complaints or account discrepancies, and answering questions.
- Research on different technologies & methodologies to better analyze requirements to create specifications and design documents
- Providing expertise in consumer and business solutions in telecommunications.

Macy's New York, NY
Sales Associate Aug 2017 - Jan 2020

- Learning Macy's systems and procedures to enhance selling efficiencies and complete support duties
- Drives sales through engagement of customers, suggestive selling, and sharing product knowledge

SKILLS

Programming Languages:	C++, HTML, CSS, JavaScript, Python, R, SQL
Tools:	GitHub, Linux, Terminal, Visual Studio Code, CI / CD, API
Relevant Course Work::	Object-Oriented Programming, Data Structures, Algorithms, Database
Other:	Problem Solving, Analytical, Logical, Team Work, Scalable Systems
Certificates::	CompTIA A+, iOS Swift Development

PROJECTS

STURICOUS: *Swift, RESTful API, Alamofire, Parse* https://github.com/Stutricous/Stutricous_app
Sturicous is an app that can recommend meals based on your general health goals. Built using a Swift and cocoapods as a dependency manager. Alamofire for HTTP networking request methods. Utilizes a custom RESTful API to communicate between the server and client. Further food data is sourced from 3rd party API providers. Database for user accounts uses a NoSQL solution with modern encryption and data integrity protocols. Built using Back4App AI and Parse to edit and retrieve the user accounts.

PARSTAGRAM *SwiftUI, Xcode, Alamofire, Back4App* https://github.com/rhassan19996/Parsetagram
Instagram clone with a custom Parse backend that allows a user to post photos and view a global photos feed. Built using Swift and cocoapods to manage dependencies such as Alamofire. Back4App and Parse was used to retrieve user accounts and user data.

SmartBlinds *Html, CSS, JavaScript, REACT, Apache*
Built automated blinds that can open and close through web application. Hosted on embedded device, NodeMCU esp2866. Designed and printed 3D motor housing and pulley system to allow for optimized control. Web app was built in apache server which hosted the HTML / CSS, JavasScript and other device files. Completely built from scratch.

RELEVANT COURSES & TRAINING

CodePath
Project based iOS development course for Computer Science students Jun 2022

NFTE Network for Teaching Entrepreneurship
Won app development competition 1st place May 2018