MOHAMMED A. SHAHRIER

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# EDUCATION Boston University

Master of Science, Software Development: **December 2020**

# City College of the City University of New York

Bachelor of Engineering, Computer Engineering: **December 2018**

**TECHNICAL SKILLS *Programming Languages:*** C++, Java, Python, MATLAB.

***Development Tools:*** PyCharm, IntelliJ IDEA, Visual Studio, Eclipse, NetBeans.

***Databases:*** MySQL.

***Other:*** Jenkins, Collaborator, Jira, ClearCase/ClearQuest, Debugger, DOORS, Rhapsody.

**WORK EXPERIENCE Lockheed Martin** Moorestown, NJ 03/20 -Present

*Senior Software Engineer – Rotary and Mission Systems*

* Designed Crypto Planning Application using C# and MVVM framework to work that works with SQL server to facilitate Air Force to plan Cryptographic Key Management.
* Researched and integrated new FTP tool in C++ codebase to work across many applications.

**Northrop Grumman** Bethpage, NY 10/19 – 03/20

*Embedded Software Engineer – Mission Systems*

* Built Linux based kernels, with RT Preempt Patches, that ran on a TS-Socket Microcontroller (TS-4900) and flashed multipleTS-4900 boards with the kernels built.
* Cross compiled classified code from an ARM32 Bit Processor to another board of the same quality.
* Programmed a software component that reads coordinates from a CSV file and transports the data to another software component via an RTCF connection.
* Developed several RTCF bus connections between several software components.
* Programmed several software components to send and receive messages via byte stream.
* Modified U-Boot scripts to run different boot options on a TS-4900 board.
* Developed a script that operates at boot on the TS-4900 board, to erase a specific partition and have a fallback boot.

**Raytheon** Woburn, MA 02/19 – 10/19

*Software Engineer – Integrated Defense Systems*

* Designed, developed and tested radar related software on the Space track Program.
* Automated radar software installation scripts on the Tools and Infrastructure team.
* Built new features and software solutions using C++ for data distribution systems.
* Assisted in the integration testing with other software engineers.
* Used Agile methodology for software development.

**Con Edison Company of NY** Manhattan, NY & Bronx, NY 01/18 – 12/18

*Engineering Aide Temporary*

* Developed performance profiling tool for 25000 transformers of NYC using Visual Basic and Python.
* Improved defective transformer detection up to 30% by introducing better data analysis using Pandas.
* Tested and debugged several critical components using logging, unit tests and system level testing.
* Built databases and forms using MS Access and MS InfoPath integrated with SharePoint.
* Used SQL to query data stored in Oracle servers and Microsoft SQL servers to find valuable data and insights in structured data.
* Independently designed, developed and delivered SharePoint sites and Web Part Forms for the department.

**ADDITIONAL** Active Secret Security Clearance: **June 10, 2019**