Saad **Rasheed**

SOFTWARE ENGINEER

Chicago, IL USA

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Summary

I'm currently an embedded software engineer at Motorola Solutions writing software for encryption products. I'm passionate about building, tinkering and making things better.

Work Experience

Motorola Solutions *Chicago, Illinois*

SOFTWARE ENGINEER II *Mar 2019 - Present*

- Developed encryption software and security-related features for multiple embedded products.
- Implemented cross-platform applications for a variety of different host architectures.
- Integrated legacy code base with modern continuous integration and deployment tools.

Motorola Solutions *Chicago, Illinois*

SOFTWARE ENGINEER I *Jan 2018 - Mar 2019*

- Implemented testing framework using IP Stack and TCP/UDP Protocols.
- Developed and integrated test diagnostic software for encryption products within a telecommunications infrastructure.

Education

University of Illinois Urbana-Champaign *Urbana-Champaign, Illinois*

M.S IN COMPUTER SCIENCE *2019 - Present*

- Relevant Courses: Distributed Systems (Cloud Computing), Parallel Programming, Theory and Practice of Data Cleaning and Text Information Systems.

Northern Illinois University *Dekalb, Illinois*

B.S IN COMPUTER SCIENCE *2015 - 2017*

- Distinction: Cum Laude
- Relevant Courses: Data Structures, Algorithms, UNIX, Networking, Databases, iOS Mobile Programming, Assembler Mainframe, Java, Operating Systems, Computer Architecture and Systems

Extracurriculars

Schaumburg Motorola Hackathon *Schaumburg, Illinois*

TECHNICAL ENABLEMENT LEAD *Jan. 2019 - Apr. 2019*

- Led a team to setup required technical infrastructure for hackathon, hosting approximately 100 participants.
- Team enabled participants to use GitLab, GitHub, Cloud Instances alongside proprietary Motorola hardware.

Google Extension *Google Chrome Store*

MINIMALIST *Feb. 2019 - Present*

- I developed and maintain a minimal note taking application for Google Chrome.
- Available for download in the Google Chrome Store.

iOS Application *Northern Illinois University*

UNIBOARD *Dec. 2016 - Feb. 2018*

- I developed a social media iOS application that allowed university students to sign up and communicate publicly through posts and images.
- Firebase was used for the back-end and data store to allow users to comment and like other user's posts.

Skills

- </> **Languages**, C, C++, Python, Bash, Batch, Swift, Java and Javascript
- 🗂 **Tools**, Git, Docker, GDB, ARM debugger, Clearcase, Jenkins, Docker, Artifactory, Conan, CMake, and Azure
- 👥 **Platforms (Cross Platform Dev)**, Windows, Linux, ARM, RHEL, and Motorola Proprietary Hardware
- **Higher Level**, Technical understanding of the software development lifecycle, excellent at debugging,
- ℹ problem solving, and diverse experience working on multiple embedded systems relating to cryptography and telecommunications.