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MUAZ RAHMAN

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EDUCATION

Washington, DC	George Washington University	Fall 2011 - May 2015

- *B.S. In Computer Engineering, Minor in Computer Science.*
- Undergraduate Coursework (includes): Algorithms, Data Structures, Operating Systems, Mobile Development, Software Engineering, Computer Networks, Computer Architecture and Design, Computer Organization, Embedded Systems, Microcontroller Software/Hardware Design.

WORK EXPERIENCE

Software Development Engineer	Amazon	Aug 2015 – Present

- Supply Chain Optimization Technologies team, responsible for modeling Amazon transportation network.
- Developed service that troubleshoots unassigned shipments. Solution rate at 50-75% and growing.
- Responsible for high-throughput big data pipeline service that feeds critical production data into a data warehousing service. Must support upwards of 1000 transactions per second.
- Optimized multiple team production services to achieve decreased latencies and faster throughput.

Android Engineer	Sandboxx	Jan 2015 – Aug 2015

- Developing from inception the Android framework and application for Sandboxx.
- Serving over 5000+ users. Current downloads: 10-15k+.

Android Developer Intern	Raytheon Blackbird Technologies	Dec 2014 – Present

- Designed and built native Android applications from ground-up to support company projects.
- Android applications built with emphasis on persistence, concurrency, and modularity.

Android Developer Intern	The Washington Post	June 2014 – Aug 2014

- Implemented blackbox & whitebox automation testing system for company flagship Android application.
- Other tasks included: bug fixes, feature designs, and continuous integration using Jenkins.

Information Technology Intern	The Solutions Group	July 2012 – Sept 2013

- Responded to first and second-tier tech related issues for over 100+ clients.
- Computer optimizations, hardware integration, on-site configurations, and software support.

TECHNICAL EXPERIENCE

Projects (more at github.com/muazra):

- **Keyless Entry System** [Spring 2015]: Smart home technology to allow wireless locking and unlocking via unique facial recognition algorithms. Interfaced using Android & web application. Backend built via Flask & MongoDB.

- **Snapster** [Spring 2015]: Android app to allow for anonymous viewing/posting of images and videos from anywhere with an integrated reddit-style scoring algorithm.

- **Fuse-XML** [Fall 2014]: File-system in Userspace written for the Linux kernel based on XML tree schema. Allows users to mount/unmount unique and original file systems to use in userspace. Design based on FUSE library.

- **Synchronous** [Fall 2014]: Android app that allows users to save their contact cards and share across other android devices. Data persistence using Parse backend service to integrate user objects and user sessions.

- **Wizard-WiFi** [Spring 2014]: Android app that toggles wireless network connection based on previously saved user locations. Automates process to conserve mobile data usage for user.

Languages and Technologies:

- Java (advanced), Ruby, HTML, CSS, JSON, XML (proficient), Python, SQL (prior experience).
- Android Studios, Eclipse, Git (advanced). Flask, MongoDB (proficient).
- AWS technologies: SNS, SQS, S3, Kinesis, Redshift (advanced) EC2, Lambda, DynamoDB (proficient).