**A B M Kamrul Islam Riad**

**Software Developer (Full Stack)**

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**Education**

**Master of Science** **in Information Technology May 2021**

Kennesaw State University, Kennesaw, Georgia    GPA: 3.8/4

**Bachelor of Science** **in Information Technology**  **Dec 2019**

Kennesaw State University, Kennesaw, Georgia GPA: 3.37/4

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**Technical Skills:**

Programming Languages: **Java, Python, JavaScript**

Technologies: **HTML, CSS, Bootstrap, jQuery, Android, Angular, NodeJS, Spring Boot, MongoDB, MySQL, SQL, Oracle Ajax, Express JS, JSON, React. JS, AWS, EC2, S3 Bucket.**

Relevant Coursework: **SW Acquisition, Advance Application Development, Software Engineering, Discrete Strut Computing. Java, C++ Programming for Engineers, Python, Design Studio, Algorithm, Prog & Problem Solving, Database Security& Auditing**

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**Professional Experience:**

**Allay Pharmaceuticals LLC, Miami, FL June 2021 – Present**

**Role: Software Developer**

**Responsibilities:**

* Conduct Scrum meeting for project progress, planning, design prototype interface for new project.
* Implement MVVM architecture in existing project, developing document control software, explore and research new hardware,

**Contribution:** Heavily involved for developing User interface in Angular and developing java base programing for business logic to integrate document control database

**Result:**  Developing Document Control software that will help to company to monitor highly valued document control, authorized accessing and to avoid document vulnerability.

**Kennesaw State University, Kennesaw, GA August 2019- May 2021**

**Role: Plugin Developer and GRA**

**Responsibilities:**

* Developed plug-in tools for Secure Mobile Application Development, Researching cyber security attack IoT devices.
* Interacting with undergraduate and graduate is students and resolving their problems.
* Developed hands-on module and lab for Blockchain-based technology

**Contribution:**

* Involved in Full Cycle of Software Development from Analysis through Design, Development, Integration, and testing phases.
* Developed Find bugs plugin in Android Studio for secure software development cycle
* Used Agile Methodology and actively participated in Scrum meetings to produce quality deliverables within time.
* Researched lot and health devices security

**Result:**

* For secure software development teaching module enlisted the course curriculum in three universities in USA.
* Workshop conducted to the university faculties for developing secure software process and module published for a course that would be taught undergraduate CS and IT department students
* Published five researched paper and journal about loT and health devices Security (IEEE, Edsig)

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**Project:**

**Patient E- Appointment (Web application)**

* Created a single page web application and CRUD for Patient Appointment as an Urgent Clinical Service.
* Validated fields and form using Angular Ng form (TypeScript)
* Applied 3-tier architecture using Express JS for Back-end server and Mongoose for server API. The CRUD application establish connection to deploy the data from client to backend server asynchronously
* Develop API in MVC pattern (Express Js, MongoDB) and integrated 3rd party API(Firebase)

**Self-Assessment and Personalized Learning (Web Application)**

* Created online assessment tool through a series of question similar GRE type test
* Applied auto select the next question base on response from previous question
* Create candidate performance and career goal applied 3-tiered architecture such as Angular, Spring Boot and MongoDB

**Database Security and Auditing:**

* Designed database with stored procedure and trigger to dynamically insert data into system Table
* Created Audit Table that generates the weekly reports for auditing database. Application of historical model and structured the VPD concept.
* Created SQL queries, PL/SQL Stored Procedures, Functions for the Database layer by studying the required business objects and validating them with Stored Procedures. Also used JPA with Hibernate provider.