

TUBA MUKTADIR

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Git Repo Link: <https://github.com/muktadir1090>

My Profile Link <https://porfolioreactass20.onrender.com> [Links to an external site.](#)

Summary

Highly skilled Full Stack Developer with a background of SDET experience building responsive, user-focused applications and testing framework. Adept at working with front-end and back-end technologies, developing clean and scalable code, and ensuring optimal performance and user experience. Proficient in **JavaScript**, **React**, **Node.js**, and **SQL/NoSQL** databases, with strong knowledge of **RESTful APIs** and **MERN stack** development. Proven ability to collaborate in **Agile** environments, focusing on delivering high-quality applications.

Technical Skills:

Languages: Java, C++, SQL, Mongo DB, JavaScript

Front-End Development: HTML5/CSS3; JavaScript (ES6); React.js; Bootstrap; jQuery; AJAX; JSON; Responsive Design

Back-End Development: Node.js; Express.js; APIs (RESTful & GraphQL); Authentication & Authorization (OAuth, JWT)

Databases: SQL (MySQL, PostgreSQL); NoSQL (MongoDB)

Full-Stack Tools: MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Version Control (Git, GitHub)
- Deployment (Render, Netlify)

Other Skills: Agile/Scrum Development; Testing (Jest, Mocha, Cypress)

Testing Tools: UNIT Testing, Azure Devops, JavaScript, Cypress, Selenium WebDriver, Eclipse, JUnit, BitBucket, TestNG, Maven, Git, Jenkins, ALM, and JIRA, Zephr, IntelliJ, Test Rail, GitKraken, **Postman**

Scripting Languages: UNIX, JavaScript, Typescript, HTML,

Projects: Columbia Engineering Boot Camp,

Full Stack Developer -Project 3 :

Deployed: <https://hamfinder.onrender.com/>

GitHub repo: <https://github.com/Flo2009/HamFinder>[Links to an external site.](#)

Project Hamfinder: (April 2024 – October 2024)

An online Radio Station where any user can select a language and location and can based on genre selection the radio station can be searched and displayed on the website. Stripe is used for buying membership or donating to improve website.

- Developed a full-stack eCommerce application using the **MERN stack**, featuring product listings, user authentication, and a shopping cart.
- Integrated payment processing via **Stripe** API to handle secure transactions.
 - Developed dynamic and interactive user interfaces using **React.js** and **Redux** to manage application state, improving page load speed and user experience and implemented MERN
- Built robust RESTful APIs with **Node.js** and **Express.js**, ensuring high performance and integration with third-party services.
- Designed and implemented relational and non-relational database structures using **MySQL** and **MongoDB**, supporting high traffic and data-intensive applications.
- Implemented user authentication and authorization using **JWT** and **OAuth** to secure the application's login and data access.
- Utilized **Git** for version control and collaborated with a team of developers in an **Agile/Scrum** environment, delivering projects on time.
- Integrated cloud services such as **Render** for application deployment, optimizing performance and scalability.

Columbia Engineering Boot Camp,

Full Stack Developer -Project 2 : Git Repo: https://github.com/Flo2009/Power_Bundle

Render Link: <https://power-bundle-gh9r.onrender.com/>

Project PowerBundle | (April 2024 -October 2024)

An online e-commerce based web application where users can create a membership, login /logout , select and put it on a cart and buy healthy drinks and snacks specially designed for health concern consumers.

The user information is stored in the database and additional API is used. For web design bootstrap framework is used.

- Built responsive, mobile-friendly websites using **HTML5**, **CSS3**, and **JavaScript**, ensuring cross-browser compatibility and accessibility.
- Implemented **MVC framework**, configuration, backend front end connectivity, , creating views , handlebars
- Used **React.js** to develop reusable components and manage application states with **Context API**.
- Enhanced performance and reduced load times by optimizing images, lazy loading components, and minimizing server requests.

Full Stack Developer -Project 1: Github Link : <https://github.com/muktadir1090/proj-drinkDB>

Deploy Link : <https://muktadir1090.github.io/proj-drinkDB/Links to an external site.>

Project Frozen |(April 2024 -October 2024)

This is a website built to generate different kind of drinks by using API, which show the recipe and step by step how to make it and picture of the drink how it looks like.

Professional Experience:

Starr (Sep-2023 -March 2024)

New York, NY

Senior Quality Assurance Analyst

- Lead the automation team for developing automation framework using Cypress and JavaScript, Visual Studio Code, node.js, performed Unit testing
- Worked with the Frontend developer and performed unit testing
- Created a framework from the scratch using JAVASCRIPT and JQUERY. Using **power shell and Unix commands** to execute **JavaScript in Cypress**
- Providing and leading the team for **automation and implement QA strategies**
- Creating, review, maintain and execute test scripts as appropriate for an application or system change.
- Backend testing with **SQL** queries suing
- Performing Smoke testing, UAT testing, integration testing using **Azure devops** for creating Test Plan and test cases.

PepsiCo (October 2021- Jan 2023)

Automation Engineer

- Run smoke test using **Cypress** and **JavaScript**, develop the testcases and test Plan .
- Lead the QA team and creating the Test plan and assigned the work among team members
- Handled and responsible for multiple projects at the same time for SodaStream, Gatoradeteamzone, Pantryshop, PepsicoShop
- Generating **reports** and writing **test cases** executing the test plan
- Performed smoke test, integration testing, regression testing, functional testing, sanity testing, exploratory testing
- Tested API on **Post man**, Altair using **POST, GET, PUT, DELETE** and testing end points
- Automated test cases and performed regression test suite using **Cypress, using Visual Studio Code, node.js, npm and develop test cases** for different frontend stores (Regression suit)
- Developed framework from the scratch Mocha using JavaScript and cypress
- Tested in staging, Dev and Production environment.
- Trained new recruits for automation setup and installation and set-up environments
- Created bug report and involved in bug cycle.
- Attended Agile ceremonies for example, scrum call, sprint planning meeting, retro meeting, backlog refinement meeting.
- Very good communication skill and interactive with developers and BA and product managers and resolve issues instantly.

AdminaHealth (Sep 2020 –March 2021)

Greenwich, CT

Lead Senior Software Quality Engineer

AdminaHealth Billing Suite – SAAS (Software as a Service) platform-based application for Healthcare Billing System. **Client User based application (United Healthcare, Cigna, Delta Dental, EyeMed, PlayFlex)**

- . Tested manually and run automated scripts for Cloud Computing Application
 - Mocking and validating XML, csv, pgp data files with ETL data flow compare with the Billing system
 - Responsible for the QA team and building a team from the scratch, hiring new team member and Subject matter experts.

- Attended all Agile ceremonies and member of Advisory board from QA in major decision making
- Managing the team of five. Generating report weekly basis and introducing new tools and responsible for Automation framework as lead.
- Create and execute test strategies, Test plan and Test cases, and writing scripts including data requirements from specified requirement, generating reports and collaborate with UAT and Dev team and Product owner and actively involved in meeting with other team member and highly communicate with them.
- Performing all aspects of testing verification Smoke testing, Functional, Regression, Sanity Testing
- Working Agile methodology and attend different scrum events like Backlog refinement meeting, sprint planning meeting, retrospective meeting.
- Communicate with developers and QA Team members to resolve issues and implementation in SDLC process
- Generated Bug Repot and used defect tracking tool
- Lead the team members and generated weekly reports and using **Azure develops**.

Millennium Management LLC, New York, NY (Jan 2020-June 2020)

Senior QA Engineer in Infrastructure

-Project 399 Migration- Working with Cisco provider on infrastructural software, hardware and devices and implementations. Webex, EMS (Event Management System), Zoom, Jabber, Hotel desk booking, Visitor Management system, Conference room, Voice Telephony

-BCP (Shared Desktop)

-Cloning Desktop

- Created Test plan, Test Scenarios, and Test Cases corresponding to the test requirements in order to maximize verification coverage of system variables
- Tested hardware and software from different providers like **Cisco on different kind of devices and telephone and mobile devices.**
- Conduct System, Integration, Functional, Ad hoc, Smoke and Regression Testing
- Created user stories using JIRA
- Attend daily scrum for agile scrum development and also in sprint planning, retrospective, grooming session
- Extensively work throughout defect life cycle from opening to closure using **JIRA**

TD Ameritrade, Jersey City, NJ (Jan 2019 – Nov 2019)

Lead Automation Engineer

Project Phoenix- SDET in CDI team, working in DEV environment and iDev environment

-Validating **data using DB Mongo and SQL**

-Automation for functional test for CDI and Salesforce

- Developed automated scripts using **JAVA** in **Selenium Web Driver** with **Maven**, **Cucumber**, and **Test NG**
- Extensively work throughout defect life cycle from opening to closure using **JIRA**
- Developed **JAVA** programs using **Object Oriented Programming (OOP)** concepts to enhance test framework
- Develop **Behavior Driven Development (BDD)** test cases using **Gherkins**
- Performed test automation development using test framework that implements **Page Object Model (POM)**, **cucumber feature files**, and TestNG configuration files
- Implemented **Maven** for Project building, and **Git** for code management repository
- Tested Salesforce lightning version and conducted API Testing using postman.

Cenlar FBS, Yardley, PA (April 2018 -Dec2018)

Senior Automation Engineer

Responsibilities:

- Build automation **BDD framework** from the scratch using **JAVA**, **Cucumber**, **Maven**, **TestNG**
- Implemented **Maven** for Project building, and **Git** for code management repository
- Develop **Behavior Driven Development (BDD)** test cases using **Gherkins**
- Developed automated scripts using **Java** in **Selenium Web Driver** with **Maven**, **Cucumber** , and **Test NG**
- Developed **JAVA** programs using **Object Oriented Programming (OOP)** concepts to enhance test framework
- Performed test automation Development using test framework that implements **Page Object Model (POM)**, **cucumber** feature files, and Test NG configuration files
- Performed query operations on Oracle to do database validation. Used standard SQL functions and commands to develop complex queries.
- **Planned, developed and executed** Test Cases with Quality Center.
- Used Quality Center for requirements **management, planning, scheduling, running tests, and defect tracking**

- Participated in **sprint planning**, retrospective, grooming session and **daily scrum** for agile scrum development

JPMorgan Chase, Wilmington, Delaware (February 2017 – March 2018)

Software Engineer

CACS - Collection for recovery and litigation system Backend testing

ePay - Frontend UI testing

BankProc - Testing for Bankruptcy Proactive for **Chase Gateway**

Responsibilities:

- Developed the framework from the scratch implementing **Maven, TestNG, Cucumber, JAVA OOP, Selenium WebDriver, Page Object Model, Page Factory.**
- Developed automated scripts using **JAVA** in Selenium Web Driver with MAVEN, Cucumber and Test NG
- Actively involved in all phases of Software Development Life Cycle (SDLC)
- Participated in **release planning, sprint planning, daily scrum** and **retrospective** in agile scrum environment
- Designed and developed **Test Plans, Test Cases, and Automated Test Scripts**
- Created dependencies in the **pom.xml file, installing and configuring machine** for testing
- Extensive use of firepath, firebug and different kinds of locator like **xpath, CSS, id, name, link text, partial link text**
- Performed test automation development using **test framework** that implements **Page Object Model (POM), Cucumber Feature Files, and Test NG configuration files**
- **Performed Smoke, Functional, Integration, System, User Acceptance, Regression tests**
- Led 2-3 junior QA team member for smaller or part of project to achieve results

Soft Skills

- Team Collaboration
- Problem Solving
- Communication
- Attention to Detail

Hobbies: Singing, Yoga, Cooking, Travelling, Gardening, Interior Designing, Driving Car/RoadTrip

Education:

Bachelor of Computer Science, 2006

Southeast University, Dhaka, Bangladesh

Professional Certifications:

Full Stack Web Development with MERN (April 2024 -Oct 2024)

– Columbia Engineering Bootcamp

Status: Green card Holder