Shariar Islam Saimon

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LinkedIn|Google Scholar|ResearchGate|GitHub

EDUCATION

University of Bridgeport | Bridgeport, CT
MS in Computer Science CGPA: 3.973   Jan 2022-Dec 2024

North South University | Dhaka, Bangladesh
BS in Computer Science and Engineering CGPA: 3.24   May 2015-Jun 2019

SKILLS

- Languages - Python, C, C++, C#, Java, JS, Dart, Verilog.
- RDBMS/Databases - Oracle, MySql, PostgreSQL, SQLServer, MongoDB (NoSQL), ORACLE 8i/9i/10g, SQL Server.
- Frameworks - Django, Flutter, React JS, ASP.NET Core, Blazor, Hibernate 3x/4x, Spring 2.5/3.0/3.2, AngularJS.
- AWS, GCP, Firebase Salesforce, Starrez, Matlab.
- OOPs, MVC, Agile, RESTful API, ORM, CI/CD, Apache Tomcat, Git, Socket, Elastic Beanstalk, Authentication, Push Notification, RDBMS, FPGA, Data Mining, SVM, CNN.

CERTIFICATIONS

- AWS Academy Cloud Foundations – AWS Academy   March 2023
- Crash Course on Python – Google   Jan 2023
- C# (Basic) Certificate – HackerRank   Jan 2023
- SQL (Basic) – HackerRank   Jan 2023

EXPERIENCE

Lorhan Corporation Inc. | New Jersey, USA
Role: Full Stack Developer   **Feb 2024 – Present**
Responsibilities:

- Involved in Analysis, Design, Development, QA, UAT and Production phases of the application.
- Worked on Agile, SCRUM development methodology and built the application with Test Driven Development (TDD).
- Used Confluence Pages to understand the basic concepts of the Applications.
- Used IBM Rational Developer to develop webservices.
- Worked on the consumption/producer side of REST based Web services and used SOAP UI to test applications.
- Worked on Java 11 features such as Lambda Expressions for making anonymous inline function calls by using Functional Interfaces, which makes code readable and concise.
- Used Spring Core Annotations for Spring Dependency Injection, Spring MVC for REST APIs and Spring Boot for Micro services.
- Used JMS queues for synchronous communication.
- Implemented the project as a multi-tier application using Struts.
- Worked on Web Services such as SOAP (JAX-WS) and REST (JAX-RS) and implemented using Spring technologies.
- Configuring and Maintaining PL/SQL 13 database and Mongo Db
- Used Splunk /Putty to verify the production logs for the assigned module.
- Involved in building and maintaining cloud-based infrastructure on AWS.
- Implemented logger for debugging using Log4j.
- Used Jenkins for continuous integration, GitHub/Bitbucket for version management & Maven for building the application in the cloud leveraging Azure Cosmos.

- Developed a few stored procedures, triggers, and sequences.
- Designed and developed JUnit test cases during the development phase.
- Used Jenkins for continuous integration and Maven for building the EAR file.
- Served as POC for on call support in the production team on a rotation basis.
- Excellent problem-solving skills and ability to work independently.

QUICKMED | Dhaka, Bangladesh
Role: *Application Developer*   **Sep 2019 – Feb 2023**
Responsibilities:
- Co-founded a startup during my bachelor's program and led the development of the QuickMed telemedicine platform, delivering over 600 free teleconsultations to doctors and patients in Bangladesh during the Covid-19 pandemic.
- Engineered seamless communication pathways between healthcare professionals and patients using advanced Cloud Computing techniques, Socket Programming, and State Management; identified three key areas that improved application stability during peak usage times.
- Developed robust security protocols around integrated video consultations using the Agora framework, resulting in zero data breaches or privacy violations reported over a six-month period post-launch of functionalities.
- Built a solid backend system using the Django REST Framework and RESTful API, and developed mobile apps for iOS and Android using Flutter (Dart), guaranteeing a smooth and user-friendly experience.
- Integrated Firebase for scalable and real-time data management, ensuring optimal functionality within the application.
- Designed, tested, and executed the mobile application, implementing new modules and delivering weekly bug fixes to maintain platform reliability for over 1,000 active users.
- Orchestrated the incorporation of key features such as secure OTP authentication, e-prescriptions, real-time chatting, electronic medical records, diagnostic tests, and integrated drug delivery using APIs, socket programming, and a payment gateway.
- Implemented PostgreSQL as the object-relational database system and leveraged the Django framework using ORM for web application development, ensuring a robust and scalable backend.
- Implemented Docker for containerization, streamlining deployment processes and enhancing the consistency of application environments.
- Applied Agile methodologies to manage a team of 8, delivering key features like OTP authentication, e-prescriptions, and online payments ahead of deadlines, while proficiently employing version control systems (Github) to ensure efficient collaboration and code management throughout the development lifecycle.

Saimon Properties Ltd. | Dhaka, Bangladesh
Role: *General Manager*   **Sep 2020 – Present**
Responsibilities:
- Initiated as an IT specialist, spearheading the development and deployment of the company website.
- Developed ERP software that reduced manual processing time by 30%, streamlining traditional workflows into a digitized e-office system.
- Administered social platforms, resulting in a 25% increase in online leads and boosting digital engagement by 40%.
- Transitioned to the role of General Manager, actively driving marketing and advertisement initiatives for the company and its projects.
- Migrated core business systems to AWS Cloud Infrastructure, improving uptime to 99.9% and cutting hosting costs by 20%.
- Provided technical support and documentation to facilitate a smooth transition for end-users.
- Demonstrated proficiency in AWS server management, troubleshooting, and ongoing optimization.

- Contributed to the establishment of an efficient and cost-effective cloud infrastructure for enhanced business operations.
- Architected and deployed a secure AWS RDS environment that supported the migration of 15,000+ records, resulting in a streamlined data retrieval process that improved query response times by 40%.
- Implemented AWS Elastic Beanstalk to streamline the deployment and management of applications, focusing on automation and efficiency.

Part-Time
University of Bridgeport | Bridgeport, CT
Role*: Graduate Administrative Assistant* **Feb 2023 – Dec 2023**
Responsibilities:
- Spearheaded StarRez software development and organization for Housing and Residential Life.
- Designed and delivered staff training, setting clear expectations for program use.
- Efficiently liaised with StarCare and UB IT for work orders and error resolution.
- Managed equipment tracking, replacements, and checkout processes for optimal inventory control.
- Provided adept troubleshooting for maintenance, repairs, and modifications as part of the StarRez team.
- Contributed to robust security management of StarRez software and oversaw StarRez portal X.
- Expanded responsibilities to include data entry in Datatel, StarRez, and UB portal online forms.

INVOLVEMENT
- Developed and Deployed the Employment Module (ResLife Portal of University of Bridgeport) 2023
- Summer Assistant in Residential Housing of University of Bridgeport 2022
- Front Desk Assistant in Residential Housing 2022
- Freelancing in local citation for hotels in USA, Canada 2018 – 2020
- Member at NSU CEC Club 2015 - 2019
- Full Stack Web development workshop in Creative IT Institution 2015

VOLUNTEER EXPERIENCE
- 5 years+ Teaching Experience in Math, Computer Science, Physics, Chemistry in O' and A' Level May 2015 – Jun 2020
- Volunteer at Youth Wave Foundation Jan 2013 – Dec 2016

Authorized to work in the US (International Student/OPT)