Shahriar Iqbal

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ABOUT ME

Experienced Software Engineer with a passion for developing innovative programs. Skilled in conceptualizing, designing, developing, and deploying software containing logical and mathematical solutions to business problems. Dedicated to driving innovation with the ability to follow industry and technological trends.

WORK EXPERIENCE

Software Engineer
Ixora Solution Ltd [20 Mar 2022 – Current] [https://ixorasolution.com/]

- ◦ Work closely with Cloud Engineers, QA, Project Manager and Product Manager throughout the development life cycle.
- ◦ Actively participate in Sprint planning and execution and also assist/mentor/train other team members as needed.
- ◦ Implement software components of highly available, scalable, and robust cloud services using Django, React, AWS, and other web technologies.
- ◦ Configure, administrate and develop multiple eCommerce systems such as Magento, Shopify, ZenCart, and OpenCart.

Software Engineer
One Information And Communications Technology Limited [1 Apr 2021 – 16 Mar 2022] [https://www.oneictltd.com/]

- ◦ Collaborated with frontend and backend dev teams using Agile Methodologies. Closely work with the project manager and the product owners.
- ◦ Designed, developed and managed Multi Vendor E-commerce website, ERP and POS system.
- ◦ Designed system architecture and worked with both frontend (React, Angular) and backend (Node.js, Laravel).

Full Stack Web Developer
Ezze Technology Limited [1 Sep 2020 – 31 Mar 2021] [https://www.etl.com.bd/]

- ◦ Worked with multiple government projects, participating in the whole process of their development: product design and estimation, code design and development, DevOps, product launch and maintenance.
- ◦ Engineered and maintained backend code with Laravel and database works using MySQL.

Internship Trainee
Contessa Solutions & Consultants Ltd [1 Oct 2018 – 28 Feb 2019] [https://www.contessabd.com/]

- ◦ Learned basic concepts of Network Vulnerability and Ethical Hacking.
- ◦ Learned Wireshark basic filtration and network vulnerability checking (used NESSUS).
- ◦ Worked on computer forensics (used AUTOPSY).
- ◦ Got an in-depth knowledge of the Linux system.

EDUCATION AND TRAINING

Bachelor of Computer Science & Engineering
Military Institute of Science and Technology [11 May 2015 – 8 Jul 2020]

Higher Secondary Certificate in Science
BAF Shaheen College Dhaka [1 Jun 2012 – 13 Aug 2014]
Final grade : 5.00 (out of 5.00)

Secondary School Certificate in Science
BAF Shaheen College Jashore [1 Jan 2010 – 7 May 2012]
Final grade : 5.00 (out of 5.00)

UNDERGRADUATE RESEARCH & PROJECTS

Implementation of the AKS Primality Testing Algorithm (Thesis) [Jan 2019 – Dec 2019]

- ◦ Implemented the algorithm where it can successfully test primality & fulfills four properties of AKS algorithm.
- ◦ Worked on improving the implementation and attempted to improve the time complexity of the algorithm.

Weapon Zeroing and Warriors' Range Analysis System of Small Arms for Bangladesh Army [Jan 2019 – Dec 2019]
[https://shahriariqbal.github.io/shahriar-iqbal/zeroing.html]

Developed a weapon zeroing system for the Bangladesh Army. An android application was developed which can process the target image and generate the correction value. Based on that value the app will command the machine to zero the weapon automatically.

- ◦ Developed an algorithm that follows the zeroing technique and this algorithm was used for calculating the correction.
- ◦ An image processing system was implemented where machine learning was applied to get accurate and precise values from the target image. Python was used for creating the image processing api.

University Admission Help Guide[Jul 2018 – Dec 2018][https://shahriariqbal.github.io/portfolio/project_page/uvadmission.html]

- ◦ Developed an android application that manages the admission procedure of different university.
- ◦ This app can provide various information such as admission notice ,exam details, etc provided by the university.

PROFESSIONAL PROJECTS

Digital Security Agency [Sep 2020 – Mar 2021] [https://shahriariqbal.github.io/portfolio/project_page/dsa.html]

A project of Bangladesh ICT Division which has been created to provide digital security to the people.
- ◦ Designed and developed the web application using Laravel 7, jQuery and MySQL.
- ◦ Developed otp verification, localization, JWT auth, email notification, rest api and six admin panels with user roles.

Smart Profile of Rice [Oct 2020 – Mar 2021] [https://shahriariqbal.github.io/portfolio/project_page/brri.html]

A project of Bangladesh Rice Research Institute where an android app can calculate approximate production cost of any rice variety based on soil, location & other factors and suggest to farmers which rice variety can benefit them with lowest cost possible

- ◦ Developed rest api and four admin panels with user roles and permissions to manage content of the mobile app.
- ◦ Developed JWT authentication, mail & database notification. Used Laravel 7, jQuery and MySQL as backend technology.

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, TypeScript, PHP, Assembly language
Web Technologies: HTML, CSS, Bootstrap, SASS, LESS, jQuery, React, Redux, Angular, Node.js, Laravel, Django, Magento 2
Database: MySQL, MSSQL, PostgreSQL, Oracle, MongoDB, MariaDB
Operating Systems: Linux/Ubuntu, Windows, macOS, Android
Networking: Ethernet, TCP-IP, VPN, DNS, Wireshark, NESSUS, AUTOPSY, Nmap, Microsoft Visio
Methodology: Enterprise Software Architecture, Agile Methodology, SDLC Waterfall Model, Scrum, OOPs, MVC Architecture, RDBMS, UML Data Modeling, Automation Testing, Unit Testing
DevOps: IIS, Apache, Nginx, Azure DevOps Server, JIRA, AWS, Docker, Kubernetes, Git, Bitbucket, cPanel, Firebase
Other: VMware, Blender, OpenGL, MATLAB, OpenCV, Microsoft Office, Adobe Photoshop, Adobe Premiere Pro, Zeplin

EXTRA-CURRICULAR ACTIVITIES, AWARDS AND ACHIEVEMENTS

- ◦ Volunteered in a humanitarian program called "Project Hashimukh" to distribute free nutritious food among the underprivileged. In association with "Hemica's Angels for Humanity" organization. (December, 2021)
- ◦ Volunteered in MUJIB100 launching program at ICT Division. (October, 2020)
- ◦ Member of MIST Programming Club, MIST Robotics Club, MIST Cultural Club and Bangladesh Student Council.
- ◦ Tutor, at Science Coaching, a center for students from various schools. (2016-2019)

RECOMMENDATIONS

Assistant Professor, Department of CSE, MIST
Name: T.M. Shahriar Sazzad, PhD
Phone: (+880) 1754871233, **Email:** shahriar@cse.mist.ac.bd

Director, Ezze Technology Limited
Name: MD. Kofil Uddin
Phone: (+880) 1670267530, **Email:** kofil@ezzetech.com

PERSONAL NOTES

Personal Qualities: Good communication skill, team player, able to work under pressure, like to take challenge, strategic planner, trainer, good presentation and negotiation skill.
Interests: Learning new technical skills, traveling, reading novels, playing tennis and football.