Md Moksedur Rahman

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Profile Summary:

Experienced Java developer with 11+ years of hands-on experience in software development, machine learning, and data science. Skilled in Java, C#.NET, PHP, and Python. Strong educational background with degrees in Mathematics and Computer Science/Applied Data Science. Proven track record of delivering high-quality solutions in dynamic team environments. Passionate about leveraging technology to solve complex problems and committed to continuous learning and professional growth.

Objective:

Seeking a position that leverages my extensive Java development experience and passion for cutting-edge technology. Eager to contribute to a forward-thinking team, where I can apply my skills to drive impactful solutions and thrive in a stimulating professional environment.

Education

University of Essex   *Essex, UK*
MSc in Applied Data Science   *Oct 2022 - Oct 2023*

- School of Mathematics, Statistics and Actuarial Science
- **Module:** An Approachable Introduction to Programming, Foundational Mathematics for Data Science, Exploratory Data Analysis and Data Visualisation, Programming and Text Analytics with R, Databases and data processing with SQL, Data analysis and statistics with R, Modelling experimental and observational data, Artificial intelligence and machine learning with applications, Dissertation

United International University   *Dhaka, Bangladesh*
MSc in Computer Science and Engineering   *Oct 2011 - Sep 2028*

- Passed with CGPA 3.3
- **Module:** Object Oriented Programming, Data Structures and Algorithms, Advanced Database Systems, Speech Recognition, Machine Learning, Neural Network and Fuzzy Logic Systems, Advanced Object Oriented Programming, Client Server Technology, Bio-informatics and Computational Biology, Human Computer Interaction, Graph Theory, Object Oriented Analysis and Design

National University   *Gazipur, Bangladesh*
BSc in Mathematics   *Dec 1998 - Mar 2011*

- Graduated with 51.9% Marks

Work Experience

Top Job Recruitment Ltd   *Colchester, UK*
Production Operative   *Nov 2022 - Apr 2024*

- Supporting packing ops by turning Raw Material into finished product. Work on a Manufacturing line in a clean and hygienic environment to create blends, pack, seal and date

AA Solutions Limited   *Dhaka, Bangladesh*
Lead Software Engineer   *Jan 2018 - Jun 2022*

- Provided technical leadership, guiding a team of Java developers in designing, developing, and maintaining scalable software solutions.
- Oversaw code quality through regular code reviews, ensuring adherence to coding standards and best practices.
- Collaborated with cross-functional teams to plan and execute projects, meeting deadlines and delivering high-quality results.
- Maintained a proactive approach to performance optimization, security, and compliance while fostering a culture of innovation and continuous improvement.
- **Technical Skills:** Java, Spring, Hibernate, Oracle DB, SQL, Git, JIRA
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Data Vision   *Dhaka, Bangladesh*
Software Engineer   *Apr 2013 - Dec 2017*

- Designed, developed, and maintained software applications, ensuring adherence to coding standards and best practices.
- Collaborated with cross-functional teams to gather requirements, translate them into technical solutions, and deliver projects on time.
- Conducted thorough testing, debugging, and performance optimization to ensure reliable and efficient software.
- Maintained technical documentation and actively contributed to a collaborative Agile development environment.
- **Technical Skills:** Java, Spring, Hibernate, Oracle DB, SQL, Git, JIRA
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Anlima Textile Limited   *Dhaka, Bangladesh*
Asst. Programmer   *Feb 2011 - Apr 2013*

- Assisted in coding, testing, and maintaining software applications.
- Supported requirements analysis and translated user needs into technical specifications.
- Collaborated with team members, participated in code reviews, and provided technical support.
- Maintained documentation and followed best practices in software development.
- **Technical Skills:** C#, .Net, Oracle DB, SQL, Crystal Report, Visual SourceSafe
- **Soft Skills:** Teamwork, Time Management, Communication.

Volunteer Experience

Essex VTeam (Awarded by Braintree District Council for two consecutive years)   *University of Essex, UK*
Community Learning Project   *18 Feb 2023 - 18 May 2023*

- Provided one-on-one tutoring to adults with mild learning difficulties or limited formal education background
- Focused on teaching basic literacy, numeracy, and self-improvement skills, including email usage and CV writing

University Projects/Dissertation

Machine Learning Approaches for Leaf Disease Detection in Agricultural Crops   *Essex, UK*
University of Essex   *Jun 2023 - Aug 2023*

- Conducted cutting-edge research to develop machine learning models for the early detection of crop diseases, revolutionizing agricultural practices.
- Utilized advanced data analysis techniques to enhance disease identification accuracy, reducing crop loss and increasing yields.
- Contributed to the advancement of sustainable farming by applying technology-driven solutions to address critical challenges in the agriculture sector.
- **Technical Skills:** Python(Pandas, PyTorch, NumPy, Scikit-learn. etc.), Overleaf, LaTeX.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Tab-based Customer Feedback System   *Dhaka, Bangladesh*
United International University   *Jun 2018 - Aug 2018*

- **Enhanced Customer Experience:** Developed a user-friendly tablet-based feedback system that streamlined customer feedback collection and improved overall customer satisfaction.
- **Real-time Analytics:** Implemented real-time data analytics to provide businesses with valuable insights into customer preferences and areas for improvement.
- **Efficient Data Management:** Designed a robust database system to securely store and manage customer feedback data, ensuring data integrity and easy retrieval for analysis.
- **Integration and Scalability:** Engineered a scalable solution that seamlessly integrated with various business operations, enabling organizations to adapt and enhance customer service strategies based on feedback insights
- **Technical Skills:** Java, Java Spring, MySQL DB, SQL.
- **Soft Skills:** Presentation skills, Logical Thinking.

Skills

Programming	Java (Spring, spring boot, Hibernate), Python (Pandas, PyTorch, NumPy, Scikit-learn. etc.), R(ggplot2), PHP, HTML/CSS, JavaScript, C#.net, SQL.
Miscellaneous	LaTeX(Overleaf/R Markdown), Tableau, Microsoft Office, Git.
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Interests

Cooking	I enjoy experimenting with various cuisines and cooking techniques in my free time.
Technical Writing on GitHub	I actively contribute to technical documentation and share my coding experiences on GitHub.
Travelling	Exploring new places and cultures is a source of inspiration for me.
Swimming	I started swimming when I was 11. Regularly hitting the pool helps me stay physically fit and mentally refreshed.

Languages

English	Professional proficiency
Bengali	Native proficiency

References available upon request.