



Wahid Sadique Koly

SOFTWARE ENGINEER

520/3, Shewrapara, Mirpur, Dhaka-1216, Bangladesh

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Innovative software engineer with expertise in Interactive Solutions, Computer Vision, Machine Learning, and Backend development. Rapid learner with a knack for solving complex problems and adapting to diverse technical challenges. Committed to delivering impactful, high-quality solutions in dynamic environments.

Skills

Programming	Python(Proficient), C#(Unity - Proficient), C/C++, Solidity, Dart, Java
Web & Others	PHP, JavaScript, JQuery, MySQL, SQLite, Selenium, Regex, REST, LaTeX
Languages	English(Proficient), Bangla(Native), Hindi(Listening & Speaking)
Industry Expertise	Quick Learning, Work Ethic, Management, Leadership, Public Speaking
Tools and technologies	Unity,Blockchain, Extended reality, Computer vision, Deep Learning
Frameworks and libraries	Django,Flask, Flutter, PyQt5, Numpy, Pandas, OpenCV, YOLO, PyTorch
Version Controlling	Git, Github, Gitlab

Experiences

Surbana Jurong Group / SMEC

Singapore 636741

SOFTWARE ENGINEER

Jan. 06, 2025 - Present

- Currently working on the development and implementation of digital twin technology to create virtual replicas of physical systems, enabling real-time monitoring, simulation, and optimization for improved decision-making and performance.

Singularity Limited (Runner Group)

Tejgaon I/A, Dhaka 1208

JUNIOR EXPERIENCE ENGINEER

Sep. 17, 2023 - Jan. 02, 2025

- Worked on projects involving Unity-based interactive solutions, Machine Learning, Computer Vision, Human-Computer Interaction (HCI), Web Backend, Mobile Development, Virtual Reality (VR), Augmented Reality (AR), Mixed Reality (MR), and Game Development.
- Leveraged robust programming expertise in Python, C#, Dart, and other essential languages and tools to pioneer inventive solutions across a broad spectrum of technological domains.
- Engineered data-intensive real-time backends using Django, Flask, and socket programming; contributed to UI development and mobile apps with Flutter, HTML, CSS, JavaScript, and jQuery.
- Developed and automated complex, repetitive tasks for various teams, leveraging programming automation to enhance efficiency and productivity.

Just IT BD

DIT Project, Dhaka-1212

SOFTWARE ENGINEER

Oct. 02, 2021 - Aug. 2023

- Worked on Games, Mobile development, Computer Vision, Machine Learning and Web projects using C#, Dart, Python, and PHP.
- Worked as the sole developer in the team, responsible for all aspects of software development, including maintenance, updates, and bug fixes.
- Maintained the company's Linux-based VPS to ensure optimal performance and stability.
- Participated in client meetings, gathered requirements, and provided guidance on implementation options.
- Designed, developed, and updated software applications independently, ensuring functionality and addressing potential security vulnerabilities.
- Analyzed and resolved complex bugs independently, collaborating with internal stakeholders and clients as needed.

Grameenphone

Block # A, Dhaka-1205

INDUSTRIAL TRAINEE

Sep. 01, 2019 - Sept. 30, 2019

- I received one month of industrial training from Grameenphone at Grameenphone Corporate Headquarter. The training was a part of my undergraduate course CSE-330(Industrial Training).

Additional Experiences

Bangladesh Navy - Centre for Naval Research & Development (CNRD)

PART-TIME/FREELANCE CONSULTANCY AND DEVELOPMENT

2022 - Present

- Contributing expert consultancy to CNRD during free time across diverse domains.
- Actively participating in CNRD's in-house Research and Development projects, specializing in advancements related to Simulations, Machine Learning, and both Web and Mobile Development during free time.

BacchaKaccha Ltd.

PART-TIME/FREELANCE CONSULTANCY AND DEVELOPMENT

2023 - 2024

- Overseeing IT issues and development.
- Supervising the development and deployment of other software projects for BacchaKaccha Ltd during free time.

Educations

Bachelor of Science in Computer Science and Engineering

UNIVERSITY OF ASIA PACIFIC, BANGLADESH

CGPA: 3.65 out of 4.00

Oct. 2016 - Jan. 2021

GED(US High School Equivalency)

AMERICAN COUNCIL ON EDUCATION

Score: 3020 out of 4000

Apr. 2016

Portfolio

- Detailed portfolio available at <https://wskoly.xyz/#portfolio> for a comprehensive overview of my works.

Publications

- Towards a Location-Aware Blockchain-Based Solution to Distinguish Fake News in Social Media. UbiSec 2021. Communications in Computer and Information Science, vol 1557. Springer, Singapore. https://doi.org/10.1007/978-981-19-0468-4_9

Honors & Achievements

- Got VC award for securing a GPA of 4.00 out of 4.00 for one time and merit-based scholarships for several times.
- Champion: AIQUEST Python Quiz Competition-001.
- Recognized as Employee of the Month at Singularity Limited before completing one year, highlighting exceptional performance and rapid integration into the team.
- Successfully single-handedly completed a variety of complex projects across diverse domains, demonstrating strong problem-solving abilities and versatility.

Specializations & Certifications

Machine Learning Specialization

DEEPLARNING.AI/COURSERA

Issued: Nov. 2023

Credential ID: SQPJHRE6SQKK

Google IT Automation with Python Specialization

GOOGLE/COURSERA

Issued: May. 2021

Credential ID: RFNTUZDBHXR3

Data Science Math Skills

DUKE UNIVERSITY/COURSERA

Issued: Jan. 2021

Credential ID: AFEV9RXJUCCT

Introduction to Data Science in Python

UNIVERSITY OF MICHIGAN/COURSERA

Issued: Feb. 2021

Credential ID: LBNHBPT4A55N

References

Md Ziaur Rahman

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Object Data Inc

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Md. Afzal Hossain

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Bangladesh Navy

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Shaila Rahman

Assistant professor

CSE, UAP

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