

BAPPY TAWHID

Software Engineer



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Professional Summary

Results-driven Software Engineer and Web Developer with a solid foundation in designing, developing, and optimizing scalable web applications. I am passionate about building efficient, user-friendly solutions using modern technologies and best coding practices. Skilled in collaborating with cross-functional teams to deliver high-quality products on time. Continuously learning and adapting to emerging trends to stay at the forefront of technological advancement.

Skills

- Programming Language: Groovy, Java, JavaScript, Python, C, C++, C#, R
- Architectures: Monolith, Microservices, RESTful APIs, MVC
- Web Language: HTML, CSS
- Libraries and Frameworks: Grails 3x, Django, Bootstrap 5x, Jasper Studio,
- Version Control: Git, GitHub
- Database: MySQL, PostgreSQL, Oracle Database
- DevOps & Containerization: Docker
- Other Skills: DSA, OOP, ORM

Work Experience

Walton Digi-Tech Industries Limited — Dhaka, Bangladesh | Senior Software Engineer, ICT

1st July, 2025 – Current

- Created the Walton Profit Participation Fund System to automate and accelerate financial operations, incorporating company-specific policies to eliminate manual delays and improve operational efficiency
- Integrated REST APIs to validate real-time transaction data with third-party applications, ensuring seamless data flow.

Walton Digi-Tech Industries Limited — Dhaka, Bangladesh | Associate Software Engineer, ICT

1st January, 2024 – 30th June, 2025

- Developed various modules for POS system and ERP system
- Diagnosed and resolved software bugs to enhance system reliability
- Designed and generated complex financial reports using Jaspersoft Studio, enhancing data visualization and decision-making
- Developed a comprehensive software solution named Walton Digi Provident Fund System, featuring autonomous core accounting processes and integrated core banking policies for universal adaptability.

Walton Digi-Tech Industries Limited — Dhaka, Bangladesh | Intern, ICT

2nd May, 2023 – 31st December, 2023

- Acquired practical experience with Git, Jira, and Agile methodologies to improve collaborative project workflows.
- Utilized Oracle 19c databases for business data processing and optimization, enhancing operational efficiency; diagnosed and resolved software bugs to improve system reliability and generated MIS reports using Jaspersoft Studio and SQL.

Projects

- **PAI PAI ERP & PAI PAI POS – Walton Digitech Ltd.**
 - An enterprise POS and ERP platform for retail, hire, and party operations with complete inventory, sales, purchase, accounts, and reporting features.
 - Technology: Spring Boot, Grails, Java, Groovy
- **Walton Digi Provident Fund System – Walton Digitech Ltd.**
 - An autonomous fund management software integrating core banking policies to ensure compliance, automation, and scalability.
 - Technology: Spring Boot, Grails, Java, Groovy
- **Walton Profit Participation Fund System – Walton Digitech Ltd.**
 - A customized system for automated profit distribution, policy compliance, and transparent fund reporting.
 - Technology: Spring Boot, Grails, Java, Groovy
- **POS Chatbot Data LLM Trained By RASA**
 - AI chatbot for retail POS inventory and pricing queries, integrated with Oracle Database for real-time responses.
 - Technology: Spring Boot, Grails, Java, Groovy
- **Data Analysis & Visualization with Web Scraping**
 - A data pipeline for scraping, cleaning, and visualizing datasets with statistical analysis in R.
 - Technology: R 4.2.1, Rvest, Ggplot2, Dplyr
- **E-commerce Web Application**
 - A serverless e-commerce platform with secure auth, product management, and order processing on PythonAnywhere.
 - Technology: Python, Django, SQLite, PythonAnywhere.

Certifications

- **Competitive Programming at HackerRank**
<https://www.hackerrank.com/bappytawhid99>
- **Certified in Oracle SQL Database Specialization**
<https://www.coursera.org/account/accomplishments/certificate/AG8TXPE3NHYJ>
- **Certified in Version Control System utilizing Git and Github**
<https://www.coursera.org/account/accomplishments/certificate/6LSN8UE4WP4W>
- **ERP Specialization Certified from Coursera**
<https://www.coursera.org/account/accomplishments/certificate/DRBAWE62BE8H>
- **SQL Skill Certified at HackerRank**
<https://www.hackerrank.com/certificates/iframe/7567ec7991fb>
- **Intermediate Python**
<c6fd7d03ff6fe74b25bde951660be236f1d0bbbb>
- **Developing LLM Applications with LangChain**
<945ab9216369d74a405fd459e4b7b8d6def7cb98>
- **Introduction to LLMs in Python**
<f2d6a3669b63125eacef002b382a0a49c9830aa8>
- **Proficient in English (IELTS)**
IELTS SCORE: READING: 6, WRITTING: 6, LISTENING: 6, SPEAKING: 7 (OVERALL: 6.5) (Appeared on 2021)

Education

- **Bachelor of Science in Computer Science and Engineering** 2017 – 2023
AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH, DHAKA.
- **Higher Secondary Certificate (Science)** 2014 – 2016
CUMILLA GOVERNMENT COLLEGE, DHAKA, BANGLADESH
- **Secondary School Certificate (Science)** 2012 – 2014
CUMILLA MODERN HIGH SCHOOL, DHAKA, BANGLADESH