

Software Engineer with extensive experience developing modern web applications using various programming languages and frameworks. Strong background in converting legacy systems to modern architectures and contributing to SaaS platforms. Proficient in working with microservices and cloud technologies.

Core Competencies

- Technical Leadership: Team mentoring, architecture design, and project delegation.
- Software Development: Web and mobile app development, SaaS products, and IoT solutions.
- Programming Skills: PHP, Python, JavaScript, TypeScript, Dart, C/C++.
- Technology Expertise: Laravel, VueJS, Django, ReactJS, NextJS, Nuxt, FastAPI, Flutter, AWS, MySQL, PostgreSQL.
- Machine Learning: Deep learning, computer vision, OCR, object detection, Yolo.
- Hardware: Arduino, Raspberry Pi, Sonar, PIR sensor, IoT
- DevOps: CI/CD, Git, Docker, DigitalOcean, and AWS.

Professional Experience

Software Engineer Team Lead	Nhimex Software Dhaka, Bangladesh	Sep 2023–Present
<ul style="list-style-type: none">• Led the architecture and development of SaaS platforms, consolidating municipal services into a unified system and boosting operational efficiency.• Designed and launched a mobile application on the Google Play Store for real-time monitoring of assessments, taxes, licenses, and municipal staff activities.• Acted as a project manager for key initiatives, mentoring junior developers, reviewing code, and implementing CI/CD pipelines to ensure smooth deployments.• Technologies: Laravel, VueJS, ReactJS, Flutter, AWS.		
Software Engineer Dev Team	Themexpert LTD Dhaka, Bangladesh	Nov 2021–Aug 2023
<ul style="list-style-type: none">• Spearheaded the development of WordPress and SaaS plugins, integrating payment providers like PayPal, Stripe, and bKash.• Enhanced customer satisfaction by resolving technical challenges and optimizing product functionalities.• Improved team efficiency by introducing best coding practices and modern development.• Technologies: Laravel, Vue.js, React, WordPress, SaaS Development		
Software Engineer	Nhimex Dhaka, Bangladesh	Jul 2020–Oct 2021
<ul style="list-style-type: none">• Developed an IoT-based fuel pump monitoring application to digitize client operations, utilizing machine learning algorithms for enhanced analytics.• Maintained and optimized web applications using Laravel, Vue.js, and Python for IoT; deployed robust solutions on AWS infrastructure.• Delegated tasks to team members, fostering collaboration and delivering high-quality results.		

- Instructor at PHP & Laravel Course - DIU CPC - 2020
- I was a prefect for almost two years on subjects such as Programming and Problem Solving, Data Structure, Algorithm, and Operating Systems.

Education and Certifications

- **B.Sc. Computer Science, Daffodil International University, Dhaka, Bangladesh.** Summer 2017–Summer 2021
Major- Machine Learning, CGPA 3.65 out of 4
- **H.Sc. Science, Sirajganj Govt. College, Sirajganj** 2013–2015
Division- Rajshahi, Group- Science, GPA 5 out of 5
- **S.Sc. Science, Krishnodia Raicha Obayed High School, Raiganj, Sirajganj** 2008–2012
Division- Rajshahi, Group- Science, GPA 5 out of 5

Key Projects

- **Municipality Management SaaS Platform:** Architected a unified platform to streamline municipal services, including tax assessments and license management.
- **IoT-Based Fuel Pump System:** Designed an IoT-enabled application to digitize fuel pump operations, leveraging machine learning for analytics and automation.
- **Blind Navigation System:** Developed a smart navigation system integrating object detection, face recognition, and speech processing, ensuring accessibility for visually impaired users.
- **Mobile Apps:** Created mobile applications for activity tracking and municipal service monitoring, which were deployed on Android platforms.

Books and Publications

- **[Handbook of C Programming](#):** A Handbook of C Programming with Example- is an amazing guideline for an ultimate beginner trying to learn about 'C' programming.
- **[An automated navigation system for blind people](#)**- Automated Navigation System for the Blind: Published in BEEI Journal, showcasing IoT and machine learning integration.

Other Sections

- **Certifications** - Student prefect certificate at Daffodil International University.
- **Problem-Solving** - [beecrowd](#), [Online Judge](#), [Vjudge](#)(Contest Programming), [Codemarshal](#)(Contest Programming), and other online judges, Attends ICPC.

Interests

- Passionate about exploring emerging technologies in AI, robotics, and SaaS development. Enthusiastic about researching advancements in machine learning and IoT ecosystems