

MEHEDI HASSAN NAYEEM

Senior Software Engineer

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[mehedi-hassan-nayeem](#) 

[portfolio](#) 

OBJECTIVE

Results-oriented Software Engineer with expertise in full-stack development, AI-driven applications, and enterprise system design. Skilled in PHP (8.2–8.4), Laravel, JavaScript, MySQL, and API integrations, with a strong record of delivering scalable, high-performance solutions. Adept at leading teams, optimizing codebases, and driving innovation through clean architecture and modern programming practices. Seeking opportunities to contribute technical excellence and problem-solving abilities to impactful software projects.

EXPERIENCE

Senior Software Engineer (R&D) || EduCLaaS, Singapore || October 2025 - Present

❖ Project Leader, CLaaS AI App (Developer)

- Built an enterprise app for module generation, course creation, and scheduling. Focused on backend services, secure data models, and optimized integrations.
- **Core Technologies:** PHP 8.4, Laravel 11.x, MySQL 8, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3, REST APIs, OAuth 2.0

❖ Project Leader, CLaaS AI Proposal (SME, mSME)

- Developed an automated proposal system with template generation, tracking, and download. Delivered reusable code modules and API integrations.
- **Core Technologies:** PHP 8.4, Laravel 11.x, MySQL 8, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3, REST APIs

❖ Combined Lead, CLaaS AI App (Mentor/Manager)

- Led teams with code reviews, debugging, and architectural improvements. Mentored developers in coding standards and system optimization.
- **Core Technologies:** PHP 8.3, Laravel 10.x, MySQL 8, JavaScript ES19, jQuery, Bootstrap, Python 3, REST APIs

❖ Combined Lead, Finance Intelligence App / CCP QualiCheck

- Delivered financial apps with stable backend and frontend code. Improved performance, handled data-intensive processes, and ensured smooth integrations.
- **Core Technologies:** PHP 8.3, Laravel 10.x, MySQL 8, JavaScript ES19, jQuery, Bootstrap, Python 3, API Integrations

Software Engineer (R&D) || EduCLaaS, Singapore || November 2023 – September 2025

❖ Project Leader, Proposal Management AI App (PMA)

- Led a team of 7 in developing the PMA, streamlining proposal generation through automated templates, allowing users to generate, track, and download proposals efficiently.
- **Core Technologies:** OpenAI APIs, Laravel 10.x, Blade Template, PHP 8.2, MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3

❖ Project Leader, Conversational Marketing AI App (CMA)

- Led a team of 5 in automating the creation of marketing materials, including emails, campaigns, event templates, and brochures, using AI-driven content generation.
- **Core Technologies:** OpenAI APIs, Laravel 10.x, Blade Template, PHP 8.2, MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3

❖ **Project Lead, Single Sign-On Center (SSO)**

- Developed a centralized authentication system using Microsoft OAuth 2.0, enabling secure user authentication and seamless integration across R&D applications, with roles-based admin control and API credential management.
- **Core Technologies:** Laravel 10.x, Blade Template, PHP 8.2, MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3

❖ **Project Lead, Cal Resume Screening (CRS)**

- Developed an automated system for proposal generation and contact creation in HubSpot, integrating delivery of generated proposals through Process Automation (PA) based on user resumes. (Upgrade of the CIA system)
- **Core Technologies:** OpenAI APIs, Laravel 10.x, Blade Template, PHP 8.2, MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3

❖ **Project Lead, Resume Screening (RS)**

- Developed a Resume Screening System utilizing Machine Learning to extract data from resumes, akin to an ATS.
- **Core Technologies:** Machine Learning, Laravel 10.x, Blade Template, PHP 8.2, MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3

❖ **Project Lead, Contact Integration App (CIA)**

- Designed and implemented a Contact Integration System, automating proposal delivery based on user resumes and matched job roles.
- **Core Technologies:** Laravel 10.x, Blade Template, PHP 8.2, MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3, Product App (PA)

❖ **Combined Lead, Contact Management System (CMS)**

- Developed a centralized contact management application, streamlining data collection from various sources.
- **Core Technologies:** PHP 8.3 (OOP), PHP Dependency Manager (composer), MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3

❖ **Combined Lead, Chatbot Development (CALA Bot)**

- Engaged in developing an AI-integrated chatbot leveraging machine learning and custom algorithms for enhanced user interactions.
- **Core Technologies:** Python 3, Azure, ReactJs, MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3, Microsoft Bot Framework

❖ **Project Lead, Product App (PA)**

- Spearheaded the development of the Product App, an enterprise application facilitating module generation, course creation, proposal generation, session creation, and task scheduling, etc. incorporating ChatGPT.
- **Core Technologies:** OpenAI 4 APIs, PHP 8.2 (OOP), PHP Dependency Manager (composer), MySQL 8, HTML5, CSS3, JavaScript ES19, jQuery 3.7.0, Bootstrap 5.3

❖ **Responsibilities:**

- Overseeing end-to-end development, ensuring seamless integration, and collaborating for high-quality solutions.

Technology Associate || EduCLaaS, Singapore || April 2023 - October 2023

❖ **Chatbot**

- Developed an AI-Integrated Chatbot leveraging machine learning for natural language-based conversation. Ongoing project.
- **Core Technologies:** Microsoft Power Virtual Agent, Python 3.x, MySQL 8, HTML5, CSS3, JavaScript, JQuery, Bootstrap.

❖ **Product Engine (PA)**

- Developed an enterprise application generating modules, module fees, and session plans.
- **Core Technologies:** MySQL 8, PHP OOP, HTML5, CSS3, JavaScript, JQuery, Bootstrap. Phase 2 ongoing.



SKILLS BACKGROUND

Programming Languages and Platforms: Python | C Sharp (C#) | Java | Java Swing | PHP | NodeJS

Frontend Technologies: Excellent skill in HTML | CSS | JavaScript | jQuery | jQuery UI | Ajax | JSON

Server, Server Languages, and Engines: Web Server - Apache 2.4 | Tomcat 8, 9, and 10 | Advance Servlet | JSP | JSTL | JDBC | Hibernate ORM | Thymeleaf | JPA and CRUD Repository

Known Frameworks: Excellent skills in Spring Boot | Spring Framework (Spring Core, Spring AOP, Spring Web MVC, Spring Instrumentation, Spring Testing) | Angular | React JS | Laravel 10.x | Bootstrap 4, 5

DBMS and RDBMS: Advance SQL Language | MySQL 5, 8 | MySQL Workbench 5, 8 | Database Testing | MongoDB

Content Management System (CMS): Excellent skills in Liferay 7.4 | WordPress

Testing Capabilities: Functional Testing – (Unit, Integration, System, Sanity, Smoke, Interface, Regression, Beta, Alpha, Acceptance) | Non-Functional Testing – (Performance, Load, Stress, Volume, Security, Compatibility, Install, Recovery, Reliability, Usability, Compliance, Localization) | Postman

Preferred Designing Tools: Axure | Adobe Photoshop | Adobe Illustrator | Adobe Xd | Draw.io | Figma | Balsamiq

Preferred Code Editors: Visual Studio Codes | IntelliJ | Eclipse | Spring Tool Suite (STS)

Others: Git and GitHub | Rest API | OAuth Integration | Webhook Integration | Project (planning, scheduling, and management) | Adobe Premiere Pro | Adobe After Effects | Adobe Lightroom | Microsoft Access | Microsoft Excel | Microsoft Word | Microsoft PowerPoint



EDUCATION BACKGROUND

Degree	Institute	CGPA/ GPA	Year of Passing
B.sc in Software Engineering	Roehampton University, United Kingdom	120 Credit	February 2027 (ongoing)
HND in Software Engineering	Lithan Academy, Singapore	240 Credit	March 2024
Higher Secondary School Certificate	Dhaka City College, Bangladesh	5.0 out of 5.0	February 2022
Secondary School Certificate	Ideal School and College, Bangladesh	5.0 out of 5.0	May 2019



LANGUAGE LITERACY

English – Fluent | **Urdu/Hindi** – Fluent | **Bangla** – Native