

M. MAHDI SABRY

Software Engineer Intern – Full Stack

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PROFILE

Curious builder with a knack for turning code into solutions. Fluent in **Java** and **ReactJS**, now diving deep into **Next.js** through hands-on projects. Thrive where others see roadblocks—adaptability is my superpower, and learning is the fuel. Not just ready to keep up, but to sprint ahead and add value from day one. Let's build something unignorable.

PROFESSIONAL & ACADEMIC EXPERIENCE

SRILANKAN AIRLINES

Software Engineer Intern

Katunayake and Colombo

Dec 2024-Present

- Developed and maintained web applications using **ASP.NET** and **ADO.NET**, leveraging **SQL Server Management Studio (SSMS)** for database management and optimization.
- Designed user interfaces and prototypes using **Figma**, ensuring seamless user experiences and alignment with business requirements.
- Implemented **MVC (Model-View-Controller)** and **N-Tier Architecture (Layered Architecture)** to build scalable and maintainable software solutions.
- Collaborated with senior developers to troubleshoot, debug, and enhance legacy systems built on **.NET Framework 4.5.2**, improving system performance and reliability.
- Contributed to the development of new features and modules, ensuring adherence to coding standards and best practices.
- Gained hands-on experience in full-stack development, from backend logic to frontend design, while working in a collaborative team environment.

Skills gained: Figma, .Net Core, SSMS, Layered architecture, Time management

YOUTUBE Clone – Web Application

Personal Project / *In Progress*

- A modern YouTube clone with AI-driven features (e.g., AI-generated video summaries, automated content tagging, or personalized recommendations).
- Currently developing AI-powered features (in-progress: video summarization using OpenAI API) with automated content tagging planned
- Designed modern responsive UI using ShadcnUI + Tailwind CSS, implementing YouTube's signature dark mode and accessibility features
- Implemented secure authentication system with Clerk and optimized PostgreSQL database architecture
- **Project Details:** [GitHub Repository](#) | Not Yet Deployed

Skills gained: Nextjs, React, Tailwind, ShadcnUI, PostgreSQL, Clerk AUTH

Independent Blogging Web Application

Personal Project / *Mar 2024 – Sep 2025*

- Developed a full-stack blogging platform using the MERN stack (MongoDB, Express.js, React, Node.js) for scalable and efficient web application development.
- Implemented secure and seamless user authentication using Clerk, ensuring robust user management and session handling.
- Designed a modern, responsive UI with a focus on aesthetics and usability, leveraging Tailwind CSS for streamlined styling.
- Built a rich text editor using **React Quill** for blog creation and editing, enabling users to write and format posts with ease and flexibility.

- Optimized database architecture with MongoDB for flexible and scalable data storage, ensuring efficient handling of blog posts, user data, and comments.
- **Currently upgrading** the platform to include **AI-powered features** (e.g., OpenAI API) for enhanced functionality, such as automated content suggestions and AI-generated blog post summaries.
- **Enhancing deployment** with performance-focused practices, including caching and lazy loading, to ensure fast load times and a smooth user experience.
- **Project Details:** [GitHub Repository](#) | [Demo](#)
Skills gained: MERN stack, Clerk Authentication, TanstackQuery, React Quill

Software Development Group Project

IIT, Sri Lanka

Team Leader / Sep 2023 – Mar 2024

- Led a team to design, develop, and deploy a full-stack web application using the **MERN stack** (MongoDB, Express.js, React.js, Node.js).
- Successfully executed the project idea, achieving a **first-class grade** for the final deliverable.
- Implemented **CI/CD pipelines** using **Jenkins** to automate testing and deployment processes, ensuring efficient and error-free releases.
- Deployed the application on **Netlify**, ensuring availability and scalability for end-users.
- Collaborated with team members to divide tasks, set deadlines, and ensure timely delivery of project milestones.
- Conducted code reviews and provided technical guidance to team members, ensuring adherence to best practices and high-quality code.
- **Project Details:** [GitHub Repository](#) | [Demo](#)
Skills gained: MERN stack, Leadership, Teamwork

EDUCATION

INFORMATICS INSTITUTE OF TECHNOLOGY (IIT)

Colombo, SL

Affiliated with the University of Westminster, UK

BSc (Hons) Computer Science

2024-2026

Relevant Modules: Mathematics, Software Development (Java, Python), Object Oriented Programming (Java), Client Server Architecture (Java) Database Systems, Web Development.

Optional Modules: Robotic Principles (MATLAB, Simulink), Machine Learning and Datamining (R).

ADDITIONAL INFORMATION

- **Project Management:** Agile Methodology, Scrum, Resource Planning, Jira, ClickUp
- **Other Technical Skills:** Python, AI/ML, R, PHP, Linux.
- **Other Soft Skills:** Adaptability, Problem Solving, Critical Thinking, Decision-Making
- **Certifications:** [Java Masterclass Certificate](#) (Udemy), [Software Engineer Intern Certificate](#) (HackerRank). [Introduction to Artificial Intelligence \(IBM\)](#)
- **Hobbies and Interests:** Chess, Embedded programming
- **Other Links:** [Portfolio](#), [GitHub](#), [Microsoft](#).

REFERENCES

M.R Dilshard Ahamed
BSc (Hons) in CS Uni Wolverhampton
MSc IT Uni Westminster (Reading)
Level Coordinator / Lecturer - School of Computing at
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