

Ahamed Musharraf

Software Engineer

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Summary

A highly motivated Software Engineer with 3+ years of hands-on experience in software development and a keen interest in emerging technologies. Passionate about continuous learning and innovation, with a proven ability to quickly grasp complex concepts and apply them to real-world solutions. Demonstrates strong problem-solving skills, effective communication, and the ability to collaborate in team-oriented environments. Eager to contribute to dynamic and forward-thinking organizations by leveraging technical expertise, analytical thinking and a commitment to excellence.

Education

B.Sc.(Hons) in Information Technology

July 2021 – July 2025

Faculty of Information Technology, University of Moratuwa, Sri Lanka

- GPA: 3.04

Experience

Wedoalltech (Brighton, UK) — Remote

Software Engineer

Jan 2024 – Present

- Architected full-stack features using React, Next.js, Node.js, NestJS, and Spring Boot.
- Designed secure REST APIs with JWT/RBAC and OAuth2 integrations, handling 10k+ daily requests.
- Optimized DB queries and caching, improving API response time by 35%
- Migrated file delivery to AWS S3, cutting storage costs by 30%
- Containerized services with Docker, reducing deployment bugs by 40%
- Built CI/CD pipelines, cutting release effort by 60%

Associate Software Engineer

July 2023 – Dec 2023

- Delivered full-stack features across React frontend and Node.js/NestJS backend.
- Implemented JWT auth and Stripe payments for 1,000+ users.
- Developed reusable CRUD APIs, reducing duplicated backend logic by 30%
- Supported production deployments and hotfixes, maintaining 99.5% uptime.

Trainee Software Engineer

Jan 2023 – June 2023

- Built full-stack web apps using React, Node.js, Express, and PostgreSQL.
- Shipped 10+ responsive UI components aligned with design system specs.
- Developed and documented RESTful API endpoints.
- Reduced average API response latency by 20% through query and middleware optimization.

Projects

MediSafe

- A Pharmacy E-commerce Web Application designed to streamline the purchase of pharmaceutical products, manage orders, and enhance customer interaction.
- Serves two primary user roles Administrators and Regular Users, each with distinct features and permissions to ensure a secure and efficient shopping experience.
- Tools Used: NextJS, TailwindCSS, NestJS, PostgreSQL, Auth0

Blockchain Powered Supply Chain Tracker [🔗](#)

- Designed and implemented a Hyperledger Fabric-based blockchain traceability system for perishable vegetable supply chains.
- Developed a responsive web application to create batches, update locations, record wastage, and track batches in real time.
- Wrote smart contracts (chaincode) to store immutable data on product origin, handling, and transit.
- Integrated QR code scanning to enable stakeholders to verify batches in real time, improving transparency and accountability.
- Tools Used: React, TailwindCSS, Node.js, Express.js, Hyperledger Fabric Blockchain, Smart Contracts

Doctor Appointment Booking System - Doc App [🔗](#)

- Developed a responsive, web-based Doctor Appointment Booking System as a college project aimed at improving the appointment scheduling process between patients and doctors.
- The system allows users to securely register, view doctor profiles, and book appointments based on real-time availability.
- Implemented role-based dashboards for both patients and doctors using Firebase Authentication and Firestore for secure data storage and real-time interaction.
- Prioritized clean UI/UX and efficient data flow for an intuitive user experience.
- Tools Used: NextJS, TailwindCSS, Firebase

Customer and Employee Management System - CEM [🔗](#)

- An Industry-based group project mentored by 99X, aimed at improving business efficiency through comprehensive management of employees, products, customers, and suppliers.
- Contributed to the development of the Customer and Supplier Management and Sales and Purchase Management modules with seamless frontend-backend integration.
- Tools Used: React.js, Spring Boot, MySQL

Syllabus Application [🔗](#)

- A learning platform designed using Next.js to improve frontend development skills through structured learning paths.
- Provides categorized learning content for both Web and Server technologies, offering an engaging and organized user experience.
- Tools Used: NextJS

Technical Skills

Languages: Java, C, C++, C#, Python

Frontend Development: HTML5, CSS, Tailwind CSS, JavaScript, TypeScript, React, Next.js, Angular

Backend Development: Node.js, Express.js, NestJS, Springboot, .NET

Databases: MySQL, MSSQL, PostgreSQL, MongoDB

DevOps: Git, GitHub, AWS, Docker, Firebase, CI/CD Pipelines, Postman, Jenkins

IDEs: Visual Studio Code, IntelliJ IDEA, Eclipse, Android Studio, Arduino IDE, Microchip

Design and Simulation Tools: Proteus, Cisco Packet Tracer, Figma

Professional Skills

Team Work, Leadership, Problem Solving, Quick Learning, Critical Thinking, Communication, Adobtable