Misbahu Ahmed Software Developer

https://github.com/Lyondealpha-hub 🔉 Male

https://bytewave-inc-git-ahmed-lyondealpha-hubs-projects.vercel.app/

PROFILE

I am a results-oriented software developer with excellent interpersonal and task prioritization skills. Passionate and resilient, I am committed to providing high-quality, efficient, and scalable software solutions. I approach each project with enthusiasm and a collaborative mindset. Skilled at developing, maintaining, and updating dependable software, including user-centered web applications and ERP systems. With more than five years of experience, I am proficient in HTML, CSS, JavaScript, and modern frameworks stated in my skills section. My strong problem-solving abilities and commitment to continuous learning make me an excellent candidate for a dynamic and innovative technological environment. My collaborative nature and effective communication skills allow me to work seamlessly with cross-functional teams while adhering to project goals and timelines.

EDUCATION

September 2019 – August 2023 **Bsc. Computing Science** Coventry University

SKILLS

Programming Languages : — JavaScript, Typescript, HTML, CSS, Golang | **Frameworks :** — Reactjs, Tailwindcss, React Native, Nextjs, GoFiber, Nodejs | **Databases :** — MYSQL, Firebase, MS SQL | **Abilities :** — Collaborative team player, adaptability, multitasking, API Integrations and development

PROFESSIONAL EXPERIENCE

January 2024 Accra, Ghana

BEN-MEREDITH CONSULTING

Fullstack Developer (Nextis & Golang)

- Engineered scalable and high-performance backend solutions using Golang (GoFiber), optimizing system efficiency and contributing to significant improvements in application performance.
- Designed and implemented RESTful APIs, facilitating seamless data exchange and integration across diverse platforms, ensuring smooth interoperability.
- Applied best practices in clean architecture and microservice architecture, improving code quality, scalability, and maintainability throughout the development process.
- Played a key role in the entire software development lifecycle (SDLC), from requirements gathering and system design to deployment and ongoing maintenance, ensuring successful project delivery (Agile development cycle).
- Enhanced security measures and optimized legacy codebases, adding rules or standards to the codebase for improving the robustness of applications and increasing user satisfaction.
- Conducted code reviews, peer-programming and implemented end-toend testing strategies, ensuring high-quality, bug-free code.

- Leveraged Ent ORM for efficient database design and management, implementing multitenant architectures for school management and entrepreneurship systems, providing tailored solutions for various client
- Utilized Docker for containerization, enabling seamless deployment, isolation, and scalability of backend services, ensuring consistency across development, testing, and production environments.
- Leading a cross-functional team of frontend developers, fostering collaboration, mentoring junior developers, and driving the adoption of best practices in clean code, responsive design, and accessibility
- Pioneered the adoption of micro-frontend architecture to modularize complex applications, enabling independent development, testing, and deployment of frontend components, which improved scalability, maintainability, and team productivity. i.e Decomposed monolithic frontend applications into smaller, self-contained micro-frontends, and also introduced the templating approach where the core or generic elements are templated for reusablitity enabling teams to work autonomously on different features

October 2022 – November 2024 Accra, Ghana

INNORIK

Frontend Developer (React, Typescript, Tailwind css)

- I collaborated with the product team, working closely with other teams to understand enterprise planning (ERP) and management requirements, ensuring the selection of suitable tools for effective implementation.
- Performed automated testing tasks, addressing complex bugs and developing intricate features. Utilized React Testing Library consistently throughout the process.
- Created and presented React solutions to senior executives and stakeholders, utilizing TypeScript, DevExtreme, Tailwind CSS, Ant Design, and other libraries.
- I proficiently merged, inspected, and debugged React code, ensuring seamless collaboration. By leveraging version control systems and debugging tools, I streamlined development and delivered robust, errorfree solutions.



PROJECTS

August 2024 – present

Sigma - Al-Powered ERP System for Entrepreneurs & Startups - Lead **Frontend Developer**

Sigma is an Al-driven ERP system designed to help entrepreneurs and startups streamline their business operations, optimize workflows, and scale efficiently. Developed for Seedstars, a Switzerland-based international company, the system leverages LLMs (Generative Al Models) to provide smart automation, decision-making insights, and business process optimization.

As the Lead Frontend Developer, I managed a team of intermediate developers, ensuring the delivery of high-quality, scalable, and maintainable solutions. I also contributed to the backend architecture, optimizing API integrations and system performance where needed.

Key Responsibilities:

- Led the frontend development using Next.js, TypeScript, shadcN, ensuring a seamless and intuitive user experience.
- Designed and implemented an Al-powered chat system similar to ChatGPT, enabling users to interact with knowledge gained throughout the knowledge base for accurate assistance.

- Architected and implemented responsive, high-performance UI components to handle complex business processes.
- Integrated LLMs and Generative AI features into the system, enabling automated decision-making and smart recommendations.
- Implemented Next-Intl for multi-language support, allowing seamless internationalization and localization of the system.
- Collaborated with backend developers to ensure efficient data flow and API integrations.
- Contributed to backend development using Golang (Fiber), refining APIs and implementing business logic where necessary.
- Managed a team of intermediate developers, conducting code reviews, mentoring, and ensuring best practices in development.
- Optimized state management with Zustand, ensuring smooth data handling across modules.
- Designed and implemented multi-tenant support for international scalability.

Technologies Used:

- Frontend: Next.js, TypeScript, Shadon
- State Management: Zustand
- Backend: Golang (Fiber)
- Al Integration: LLMs, Generative Al Models
- Al Chat System: Custom-built interactive chat system for knowledgebased assistance
- Internationalization: Next-Intl
- · Database: MYSQL

Achievements:

- Built an Al-powered ERP system, enabling smarter, more automated business processes.
- Designed and developed a ChatGPT-like AI assistant, helping users access knowledge and insights more efficiently.
- Integrated multi-language support, enhancing global accessibility through Next-Intl.
- Led a high-performing frontend team, ensuring on-time feature delivery and best coding practices.
- Designed a scalable, multi-tenant system, making Sigma accessible to businesses worldwide.
- Enhanced user experience by integrating Al-driven insights and process automation.

April 2024 - July 2024

School ERP System (SIS, LMS, CBT) – Multi-Tenant Academic Management Platform - FullStack

Developed a School ERP System to streamline and automate academic operations from higher authorities (school management and regulators) down to individual schools, staff, and students. The system integrates Student Information System (SIS), Learning Management System (LMS), and Computer-Based Testing (CBT) modules, covering all aspects of school administration, online learning, and assessments. Designed with a multitenant architecture, enabling multiple institutions to operate independently within the same system.

Key Responsibilities:

- Developed and maintained both frontend and backend components using Next.js, TypeScript, Ant Design, and Golang (Fiber).
- Designed and implemented a multi-tenant architecture to support multiple schools within the platform.
- Built Class Management, Online Exams & Grading, and Student-Teacher Interactions features.
- Developed scalable RESTful APIs using Golang (Fiber) and Ent ORM for student records, course management, and grading.

- Integrated real-time notifications and messaging for seamless communication.
- Optimized database queries and designed a high-performance PostgreSQL schema for multi-tenancy.
- Ensured role-based access control (RBAC) for different user levels (Admins, Teachers, Students).
- Collaborated closely with UI/UX designers and other developers to create an intuitive and responsive interface.

Technologies Used:

- Frontend: Next.js, TypeScript, Ant Design
- Backend: Golang (Fiber), Ent ORM
- Database: MYSQL, Redis
- Architecture: Multi-Tenant, Clean Architecture
- · Version control and others: Git, Docker

Achievements:

- Successfully deployed a scalable, multi-tenant ERP system supporting multiple schools.
- Automated school operations, reducing manual workload and improving efficiency.
- Implemented secure and efficient role-based access, ensuring data privacy.
- Built a robust CBT module for online assessments with real-time grading.

December 2023 – March 2024

Courier Management System - Backend Developer

Developed a Courier Management System to streamline the delivery of resources from higher authorities to various schools. The system optimized logistics, tracking, and allocation, ensuring efficient distribution. Additionally, I built a USSD-based interaction system, allowing users without smartphones to access and operate the system via USSD commands.

Key Responsibilities:

- Designed and implemented the backend architecture using Golang (Fiber), Clean Architecture, and Ent ORM.
- Developed RESTful APIs for managing deliveries, tracking shipments, and resource allocation.
- Built a USSD-based interface, enabling users with basic mobile phones to interact with the system.
- Optimized database queries for performance and scalability.
- Ensured secure and seamless communication between different system components.
- Collaborated with the frontend team to integrate API functionalities.

Technologies:

Golang (Fiber), Ent ORM, Clean Architecture, USSD Integration, MYSQL, Redis, Git, Docker

Achievements:

- Enabled non-smartphone users to interact with the system via USSD commands.
- Optimized delivery tracking, improving efficiency and resource allocation.
- Developed a scalable and maintainable backend, ensuring long-term reliability.

INNOX - Lead Frontend Developer

INNOX is a comprehensive Enterprise Resource Planning (ERP) system designed to optimize industrial operations by integrating multiple business functions into a unified platform. The system provides real-time insights, process automation, and data-driven decision-making to enhance efficiency across various industries.

Several interconnected subsystems make up INNOX; some of the modules include:

- Finance & Accounting Automates invoicing, expense tracking, and financial reporting.
- Human Resource Management (HRM) Manages employee records, payroll, attendance, and performance reviews.
- Transport & Fleet Management Oversees vehicle tracking, maintenance, and logistics optimization.
- Performance Management System Enables goal setting, KPI tracking, employee evaluations, and performance analytics.
- Safety Management System Ensures compliance with workplace safety regulations, tracks incidents, and facilitates risk assessment.
- Asset Management System Monitors asset lifecycle, depreciation, maintenance schedules, and utilization reports.

Key Responsibilities:

- Technical Leadership: Led the frontend development using React js TypeScript, Ant Design, DevExtreme, and Tailwind CSS, ensuring a scalable and maintainable UI.
- Subsystem Integration: Developed a modular architecture that allowed seamless interaction between the various ERP subsystems while maintaining a consistent user experience.
- Performance Optimization: Enhanced app efficiency with lazy loading, code splitting, and API caching, redux thunks leading to good improvement in load times.
- State Management: Implemented custom Hooks and Zustand to optimize data fetching and local state synchronization.
- Authentication & Security: RBAC (Role-Based Access Control) for secure user authentication across different modules.
- Mentorship & Code Reviews: Guided a team of 10 junior developers, fostering best coding practices, conducting pair programming sessions, and ensuring adherence to clean architecture principles.
- Agile Development: Collaborated with backend, UI/UX, teams and Project Manager in an Agile workflow, contributing to sprint planning, daily standups, and retrospectives.

♂ INTERESTS

- Hackathons and Coding Competitions
- Open source contributions and tech communities
- Basketball and video games

REFERENCES

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