Kawsar Ahmed

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SOFTWARE DEVELOPER

Passionate Software Developer with 3 years of practical experience in real estate, e-commerce, and education. I recently earned a master's degree in Software Engineering from Concordia University in Montreal. Proficient in Java, Spring Boot, JavaScript, PHP (Laravel), Node.js, React, and Object-Oriented Programming, I am committed to developing engaging, user-focused applications. I enjoy harnessing my technical expertise and innovative problem-solving skills to create solutions that improve user experiences and drive project success.

EXPERIENCE

Software Developer| B.A.N.G.L.A   **Montreal | Sep 2024 – Present**

- Developed a content-rich **magazine platform** with **Node.js (Express)** improving article delivery speed and administrative control features.
- Minimized page load time by **40%** by applying **lazy loading** and optimized image delivery.
- Designed and integrated **RESTful APIs** for dynamic content management and user interactions.
- Collaborated with designers and content managers to ensure seamless UI/UX and content publishing workflow.

Software Developer (Contract-based) | Furnitex   **Dhaka| Sep 2024 – Jan 2025**

- Engineered an e-commerce platform using Spring Boot to deliver a scalable, modular backend architecture.
- Reduced server response time by 35% by optimizing controller logic and SQL queries, resulting in a smoother user experience.
- Developed product recommendation and search features using SQL and caching strategies.
- Collaborated in Agile sprints, performing code reviews and deploying updates via Docker and AWS EC2.

Web Developer | Digital IT Gallery   **Dhaka | Dec 2020 – Dec 2021**

- Increased user engagement by 25% through the design and deployment of a dynamic rental apartment platform with **Laravel (PHP)**, focusing on a responsive layout and enhanced search capabilities, while integrating **JavaScript** to boost interactivity and user experience through **AI-driven rental recommendations.**
- Optimized **search query performance by 40%** through efficient **MySQL** database design and indexing.
- Enhanced customer retention by **20% on an e-commerce site** built with **WordPress** by improving existing features and streamlining the user journey.
- Created and deployed the company's official website using **Laravel** in 50% less time, ensuring a responsive design and achieving a page load time under 2 seconds.
- Reduced development time by 30% through the implementation of **Git** for version control and team collaboration, maintaining thorough documentation.
- Crafted responsive user interfaces using **HTML**, **CSS**, and **vanilla JavaScript**, improving engagement metrics by 20%.
- Delivered 99% bug-free code by conducting comprehensive software testing using tools such as **Selenium** for automated testing, **JUnit** for unit testing, and **Postman** for API testing. Performed **integration and user acceptance testing (UAT)** to ensure high-quality deliverables that met functionality, performance, and user experience requirements.

Web Developer | Furnitex   **Dhaka | Mar 2020 – Nov 2020**

- Managed and enhanced the company's management and corporate websites, implementing design and functional improvements based on user feedback and analytics, resulting in a **15% increase in site engagement** and ensuring optimal performance and user experience.
- Developed front-end features using **HTML**, **CSS**, and **JavaScript**, ensuring a responsive design across devices.
- Coordinated social media strategies for the company, utilizing tools like Meta Business Suite and Google Ads for improved visibility and engagement.

Web Application Developer | Innovation IT Institute   **Dhaka | Sep 2019 – Feb 2020**

- Developed the company website and an internal management system using **Laravel (PHP)**, focusing on user-centric design and seamless functionality, and deployed the application on a cloud server.
- Built additional web applications using **PHP core** and **MySQL**, ensuring robust database interactions and data integrity.

- **Improved administrative efficiency by 50%** by developing a comprehensive student management system with **Laravel** and **MySQL**, enabling faster data retrieval and updates.
- Collaborated with stakeholders to gather requirements, leading to a **25% reduction in revision cycles** by employing Agile methodologies and JIRA.
- Performed extensive testing and debugging to ensure high-quality, reliable applications, boosting **user satisfaction by 20%** with seamless deployments.

SKILL

Programming Languages: Java, JavaScript, PHP, Python, SQL, HTML5, CSS3
Databases: MongoDB, MySQL, PostgreSQL, SQLite
Frameworks/Technologies: Spring Boot, NodeJS, Express.js, React, VueJS, Laravel, Bootstrap, Tailwind CSS, jQuery, WordPress, Selenium WebDriver, Web Services
Tools and Testing: JIRA, Git/GitHub, VS Code, Postman, Selenium, JUnit, Postman, Adobe Premiere Pro, Canva, Figma, Maven
Concepts/Methodologies: Object-Oriented Programming (OOP), RESTful API, Model-View-Controller (MVC), Microservices Architecture, SOLID Principles, Agile development (Scrum)
Cloud & DevOps: AWS, Azure, Docker, Kubernetes, CI/CD pipelines

EDUCATION

Master of Engineering, Software Engineering   **Montreal | Jan 2022 – Oct 2024**
Concordia University

Bachelor of Science, Computer Science and Engineering   **Dhaka |Jan 2016 – Dec 2019**
American International University, Bangladesh

PROJECTS

Real Time Chat Application | (Node JS, MongoDB)   ([Check Project](#))
- Built real-time chat services with Socket.IO and Node.js, supporting concurrent user connections with under 100ms message latency.
- Secured app access using JWT-based authentication and role-based access control, ensuring encrypted user sessions and data integrity.

The Battleship Game | (Java)   ([Check Project](#))
- Developed a text-based interface for interactive gameplay, enhancing user engagement through command-line prompts.
- Implemented game logic and algorithms for turn-based play, ensuring smooth gameplay and user experience.

IT Institution Management System| (Laravel, MySQL)   ([Check Project](#))
- A robust CRUD application for employees to manage student records, featuring optimized MySQL performance and the ability to download data in Excel format.
- Achieved loading times under 0.5 seconds and 50% faster processing for enhanced user experience.

Bookstore Management Application| (MERN)   ([Check Project](#))
- Developed a full-stack MERN (MongoDB, Express, React, Node.js) application for managing books with seamless CRUD operations. The system features **Table View** as well as **Card View** for listing books.
- Optimized API performance for faster data retrieval and real-time updates, enhancing user experience with efficient React state management and database queries.