

MOHAMMED MASUM

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SOFTWARE ENGINEER (JAVA | PHP)

Skilled software engineer with over 6 years of experience in analyzing, designing, developing, testing, and maintaining a variety of software solutions in collaboration with teams, managers, and clients. A history of crafting excellent and clean code for functional, effective solutions within a high-performance, secure environment using PHP, Java, Spring Boot, WordPress, Codeigniter, MongoDB, Angular, REST, Postman, MySQL, HTML, and CSS, as well as employing Software Development Life Cycle methodologies.

Major phases of SDLC • Web Services • Design Patterns • SOA • Java | PHP Programming • MySQL
Front End/Back End • Project Lead • Project Management • Database Development • Microservices
Object Oriented Programming • Data Structures and Collections • Dependency Injection

Languages: Java, PHP

Web: HTML, CSS, JavaScript, TypeScript, jQuery

Web Services: REST

Web/App Servers: Apache, Tomcat

Frameworks: Spring boot, Angular, WordPress, CodeIgniter

Databases: MySQL, MongoDB

Design Patterns: Singleton, Factory, Abstract Factory

SDLC: Agile / Scrum

Tools: XAMPP, Maven, Gradle, IntelliJ, Git, Postman, StarUML, Docker, Jira, JUnit, Kafka, NPM, Babel, Webpack

Platforms: Windows, Linux, Android, AWS

Application/Software: GSD Harvard University, UMS Southeast University

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

LOCALSPARK SOLUTIONS, Orlando, FL • 4/2024 - 9/2024

Provides IT services to real estate companies

Web Developer (Remote)

- Developed reporting application Using Laravel, and using API to get data from Ringba and Kixie.
- Fixing bugs and maintaining existing PHP applications.
- CI/CD automation of the applications.
- Converting client requirements into technical specifications and managing Sprint.

Technologies Used: PHP, WordPress, Laravel, REST api, HTML, CSS, Git, JavaScript, Cpanel, CI/CD

LAST CALL MEDIA, Boston, MA • 12/2020 – 01/2023

Delivers engaging digital solutions to organizations such as governments, non-profits, and higher education institutions.

Software Engineer (Remote)

- Developed and implemented new features for modern web applications.
- Evaluated and translated client requirements into WordPress concepts and functionalities.
- Customized WordPress queries to meet specific project demands effectively.
- Created diverse Gutenberg blocks using the ACF plugin.
- Designed user interfaces with a focus on usability and aesthetics, utilizing Tailwind CSS.
- Managed and maintained environments using the Pantheon WebOps platform.
- Established continuous integration and continuous deployment (CI/CD) workflows by integrating CircleCI with GIT Version control.
- Took charge of project sprints, task allocation, and tracking using JIRA.
- Assumed leadership responsibilities in a few projects, ensuring on-time project delivery and software quality standards.
- Acted as a bridge between client requirements and technical capabilities, ensuring a logical alignment.
- Optimized codebase and system architecture to improve performance in existing projects.

- Provided oversight and management of the team in Bangladesh to ensure project goals were met effectively.
- Collaborated with a diverse, multi-national team.

Technologies Used: *WordPress, Git, JavaScript, jQuery*

EDUERA.COM, Dhaka, Bangladesh · 01/2020 – 04/2020

eLearning Platform

Project Manager

- Designed the system architecture to ensure scalability, efficiency and reliability.
- Managed and directed a team of two developers, overseeing task assignments, and ensuring a collaborative work environment.
- Leveraged PHP CodeIgniter to develop a robust and high-performing back-end.
- Utilized MySQL for data storage, ensuring seamless data management.
- Crafted dynamic user interfaces by coding in HTML5, CSS3, and JavaScript, enhancing the user experience and interface responsiveness.
- Successfully implemented an online payment gateway, streamlining transaction processing and enhancing the platform's finance handling capabilities.
- Integrated Vimeo as the video hosting provider, enabling seamless content delivery and enhancing the platform's multimedia features.

Technologies Used: *PHP, CodeIgniter, MySQL, HTML5, CSS3, Git, JavaScript, jQuery*

SOUTHEAST UNIVERSITY, Dhaka, Bangladesh · 11/2017 – 12/2019

Prominent university in Bangladesh.

Programmer

- • Contributed to the design of the ERP application, adhering to Microservices architecture principles for enhanced scalability and flexibility.
- • Developed the robust back-end infrastructure using Java Spring Boot, incorporating Spring Security for application security, and Spring Data for data persistence.
- • Successfully completed UML class diagrams for intricate, tightly-coupled modules within the application, transforming them into decoupled, maintainable components.
- • Incorporated MongoDB as the backend database solution.
- • Implemented Netflix OSS tools, specifically Eureka for service discovery and Zuul for API gateway management.
- • Utilized AWS services, including S3, Load Balancer, and ASG, for robust cloud infrastructure management, and integrated Kafka for efficient stream processing and data handling.
- • Implemented proactive monitoring of microservices health using the Consul service discovery tool.
- • Crafted dynamic front-end interfaces with Angular to deliver a seamless and engaging user experience.
- • Designed modern and visually appealing front-end layouts using HTML5 and CSS3.
- • Ensured code functionality and reliability by conducting testing with JUnit and verified cross-cutting functionality for a seamless user experience using Selenium.
- • Managed project sprints following Agile methodologies and utilized JIRA for efficient task management and tracking progress.
- • Engaged in regular communication with clients to gather requirements and align them with technical capabilities, ensuring client satisfaction and project success.

Technologies Used: *Java, Spring boot, Angular, MongoDB, IntelliJ IDEA, Git, Apache Tomcat, REST, TypeScript*

CLIPPING SOLUTIONS BANGLADESH, Dhaka, Bangladesh · 01/2017 – 04/2017

International image processing company.

Web Developer

- Managed and developed the company website, ensuring optimal functionality and user experience.
- Collaborated with cross-functional teams to gather requirements, implement features, and optimize performance.
- Utilized industry best practices and web technologies to create a visually appealing and secure website that enhances the company's online presence.
- Coded HTML, CSS to implement the provided design.
- Back-end development with CodeIgniter (PHP framework)

Technologies Used: *CodeIgniter, PHP, MySQL, HTML5, CSS3, JavaScript, jQuery*

ACADEMIC PROJECTS

Data Streaming Project, MIU (2023) :

Retrieved live and frequently changing earthquake data and streamed in Kafka. Used micro-service architecture.

Utilized Java, Spring boot, Kafka, Zipkin, Spring cloud

Library Management System, MIU (2023) :

In this system, books can be added with authors and more details, borrower information can be added.

Utilized Java

Movie Server Android Application, MIU (2023) :

Android app for movie servers, fetched movie information from third-party api, showing movie details and the user will be able to save the movies as favorites.

Utilized Android, Kotlin

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2025)

Maharishi International University, Fairfield, Iowa

Key Courses: *Modern Programming Practices, Algorithm, Software Architecture, Cloud Computing, Mobile Device Programming*

Bachelor of Computer Science and Engineering

Southeast University, Dhaka, Dhaka (12/2016)