

MD.SIRAJUDDIN BORNO

Software Engineer || .Net || PostgreSQL || Laravel || MariaDB || Generative Ai

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[Portfolio](#) || [LinkedIn](#) || [GitHub](#)



Summary

Experienced Software Engineer with more than 2 years of industry experience. Proven ability to deliver high-quality software solutions with strong understanding of SDLC in a web development environment. Expertise in .NET, PostgreSQL, jQuery, and Laravel. Key responsibilities include R&D, API integration and development, including WhatsApp Business Cloud API, MS QnA API, Google Map API, and Azure Bot Framework. Additionally, proficient in VR development with Unity and has a publication in Springer on VR. I am currently managing a Laravel application and an expert in application migration, demonstrating versatility across multiple technologies and frameworks.

Experience

IMpulse (BD) Ltd

Software Engineer

07/2023 - Present

- Migrated a scientific journal management system from legacy Laravel to the latest PHP and Laravel framework, resulting in improved performance by 40%, reduced maintenance costs by 25%, and enhanced security through implementation of latest framework security features and protocols.
- Successfully integrated the WhatsApp Business Cloud API with an existing .NET API, enabling 1000+ weekly interactions and increasing customer engagement by 35%.
- Implemented Ai Chat-bot, automating communication, improving customer service, and reducing average response time by 70% while increasing customer satisfaction scores by 25%.
- Contributed to the development of a Hotel Management System, including a voice command chatbot for in-house orders and reservations, resulting in a 40% reduction in order processing time.
- Currently responsible for the maintenance and management of a scientific journal management system developed using Laravel, serving the needs of a pharmaceutical company.

IMpulse (BD) Ltd

Junior Software Engineer

07/2022 - 06/2023

- Contributed to the development of a villa rental website with intuitive UI design and optimized performance using stored procedures, triggers and caching, reducing load times by 30%. Integrated Google Maps API to allow users to search over 1200 properties, leading to a 20% increase in monthly bookings.
- Played a key role in the development of a boat rental website, collaborating with senior team members to conduct R&D, designing UI, implementing pricing/package models, and integrating secure payments. This resulted in over \$50k in annual revenue during the first year of launch.
- Enhanced the functionality and performance of an Event Management System used by 100+ venues. Redesigned cart items behavior and booking workflows, reduced database load by 30% through caching.

American International University-Bangladesh

Student Intern

09/2021 - 12/2021

- Guiding students to set up development environments, helping students find and fix numerous bugs and motivating students to learn modern technologies.

Education

Master of Engineering, Computer Software Engineering

University of Rajshahi

06/2024 - Present

Bachelor in science, Computer Software Engineering

American International University-Bangladesh

01/2018 - 12/2021

Skills

Languages: C#, JavaScript, PHP, Python, Java, C++, HTML/CSS, SQL

Databases: PostgreSQL, SQL Server, MySQL, MariaDB, DB Procedure, DB Function, Trigger

Libraries: jQuery, Syncfusion

Frameworks: .NET Framework, .NET Core, Laravel, Bootstrap, Web API, MVC

Tools & Technologies: Git, SVN, Github, Azure, Visual Studio, VS Code, Postman, Unity

API Integration: Ai Chat-bot, WhatsApp Business Cloud API, Google Map API, MS QnA API, Azure Bot Framework, Azure Document Intelligence, Web-socket

AI & Research: Proficient in crafting effective prompts for generative AI to obtain accurate responses, strong information retrieval skill.

Projects

- **[Elibrary-Idorsia: Pharmaceutical Research Management System](#)** 12/2023 - Present

Idorsia is a sophisticated, secure, and internal-only application developed for a leading pharmaceutical company. Mirroring Idorsia's innovative approach to scientific advancement, this centralized platform empowers researchers to efficiently manage, access, and stay updated on crucial scientific literature. It enables users to order papers from various publishers, curate personal collections, and receive real-time updates on new findings in subscribed domains. By streamlining access to cutting-edge research, Idorsia plays a pivotal role in accelerating the drug discovery and development process, embodying the "bench to bedside" philosophy seen in leading pharmaceutical research institutions.

Key Responsibilities:

- Feature Implementation Planning
- Development and Maintenance
- Migration to the latest Laravel/PHP
- Integration Management
- Testing and QA
- Client Communication
- Client Billing

- **[Invenio Homes: B2B Property Availability Platform](#)** 07/2023 - Present

Invenio Homes works as a B2B agency that has built a new cutting edge and unbiased availability platform that will allow established and new agencies to represent the biggest portfolio of properties in Europe. Agencies can create proposals for their clients and manage and book properties as per their offer through the system.

Key Responsibilities:

- Feature Planning
- Feature Implementation
- Development and Maintenance
- RnD and Integration of new APIs
- Testing and QA
- Client Communication
- Member of Client Support team

- **[Pulselinks: Cloud-based Event Management Solution](#)** 07/2022 – Present

Pulselinks is a cloud-based event management solution designed to plan, manage, promote, and evaluate corporate events of every size in every industry. It offers functionality to automate and streamline critical event management tasks to boost operational efficiency.

Key Responsibilities:

- Feature Implementation
- Development
- RnD and Integration of new APIs
- Testing and QA
- Client Communication
- Member of Infrastructure Team

- [Binary ICT Park: Coaching Management System](#) 01/2022 - 07/2022
Dashboard, Analytics, Student Management, Attendance, Payment Control (Discount, installment)
- [EHut: E-commerce application](#) 08/2021 - 03/2022
Mainly in busy cities like Dhaka, where people are doing their jobs and cannot find enough time to go to the grocery store every week to buy their groceries. Those who go shopping most of the time go without a proper shopping list and spend more than they need. That is why we are offering a smart web service that can suggest they make a proper shopping list.
- [Alphabets 3D: Alphabet learning web-game](#) 03/2021 - 04/2021
This web game is for pre-school kids. This way they can interact with 3D models and learn letters, names, and spelling. This Game is live, and you can [try it here](#)

Training, Certification and Events

Trainings

- [Azure Fundamentals AZ-900](#) [Microsoft – April, 2022]
- [Arduino & IoT Fundamentals: Connecting Things](#) [ICT ministry, Hi-Tech Park, Bangladesh – May, 2021]
- [IT Essentials 7](#) [AIUB – May, 2018]

Certificates (Issuing Organization: University of Michigan, Offered Through: Coursera)

- [Introduction to Data Science in Python](#) [September, 2020]
- [Applied Text Mining in Python](#) [October, 2020]
- [Applied Machine Learning in Python](#) [October, 2020]
- [Applied Plotting, Charting & Data Representation in Python](#) [September, 2020]

Events

- Participated in multiple programming contests
- Event Attendee: C3 Global Cloud Skills v-Tour 2022 | A Global Broadcast Leading Learning Partners Association
- Volunteered VR CON Event – 2018
- Shortlisted in BrainJam -March, 2021

Publications

[Comparative Analysis of Cricket Games in VR and Other Traditional Display Environments](#)

Springer, HCI INTERNATIONAL 2020 - Communications in Computer and Information Science book series (CCIS, volume: 1294, page: 165-172)