

MD. ABBAS UDDIN

Full Stack Software Engineer | Expert in Scalable Web Applications & SaaS Platforms

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience specializing in scalable SaaS platforms and web applications using React, Laravel, and Node.js. Proven track record in API development, payment integrations, and performance optimization.

WORK EXPERIENCE

Full Stack Developer | [BitApps](#)

Jan 2021 – Present

Building scalable web applications, WordPress plugins, and SaaS platforms using React, TypeScript, PHP, Laravel, and cloud-native infrastructure.

PaymentForm — Multi-tenant Payment SaaS Platform

- Built SaaS payment form platform using Laravel 12, PHP 8.2, React 19, Next.js.
- Designed multi-tenant architecture using PostgreSQL + SQLite edge replication.
- Implemented real-time updates using WebSockets and Laravel Reverb
- Integrated multiple payment gateways including Stripe, PayPal, Razorpay, Mollie, Square
- Achieved high performance using SSR, caching, and code splitting.
- Implemented full observability using OpenTelemetry and monitoring systems.

Bit Form — WordPress Advanced Form Builder (10,000+ active users)

- Reduced client-side resource bundle (JS + CSS) from 350 KB to 10 KB — a 97% reduction — by restructuring the codebase and implementing demand-based code splitting with Vanilla JS and PHP.
- Utilized Jotai (state management), list virtualization, lazy loading, Mutative, JCOF, Fela.js (atomic CSS), and SWR caching for a highly performant application.
- Implemented SSR hydration technique to significantly improve initial load time and Core Web Vitals scores.
- Led code reviews, unit testing (Jest), E2E testing (Cypress/Puppeteer), and wrote SEO-optimized technical documentation.

Bit Integrations — WordPress Automation Plugin (20,000+ active users)

- Built no-code WordPress plugin enabling seamless integration with 150+ third-party apps including CRMs, email marketing tools (Mailchimp, ActiveCampaign, MailerLite), and payment gateways.
- Integrated Zoho CRM, Google Sheets, email marketing, and inventory platforms, directly contributing to new client acquisition and revenue growth.
- Automated workflows, streamlined data transfers, and optimized business operations — all without requiring coding knowledge.

Bit-Flows — Advanced Automation Plugin (Zapier/Make alternative)

- Developed drag-and-drop automation builder with conditional logic, multi-step workflows, and webhooks.
- Integrated 150+ platforms including Google Sheets, Shopify, WooCommerce, Typeform, and LMS systems.

- Developed Bus Ticket Management System improving booking efficiency by 30%.

KEY PROJECTS

LaraCore — Custom PHP MVC Framework | Open Source

- Built a lightweight PHP MVC framework featuring a custom routing system, query builder, ORM, template engine with multi-layout support, form validation, API key authentication, CSRF protection, and database migrations/seeders.

SKILLS

Skills: JavaScript (ES6+), TypeScript, PHP, Python, Node.js, React, Next.js, Laravel, Express.js, MySQL, PostgreSQL, MongoDB, Docker, GitHub Actions, REST API, WebSockets, WordPress Plugin Development, OAuth 2.0, CI/CD, Jest, Cypress, Agile, Scrum, Stripe, PayPal, Razorpay, Machine Learning

Soft Skills: Strong communication and collaboration skills with experience in Agile team environments.

EDUCATION

B.Sc in Computer Science & Engineering - Expected April 2025

East Delta University, Chattogram, Bangladesh

Diploma in Computer Technology - Expected April 2020

Chittagong Science & Technology Institute, Bangladesh

RESEARCH PUBLICATIONS

1. Deep Learning-Based Malware Detection Using SOMLAP and UGRansom Datasets with Explainable AI (XAI)

Leveraged CNN/deep learning models for malware classification; applied Explainable AI techniques to improve model interpretability for security analysts.

2. Transformer-Based Bangla NLP: Bangla Religion Aggression Comment (BRAC) Dataset

Introduced the BRAC dataset; trained transformer models (BERT-based) for detection of religiously aggressive content in Bangla, advancing NLP-based content moderation.

CERTIFICATIONS

Web Design & Development, BASIS Institute of Technology & Management, 2019

Computer Hardware & Networking, Computer Village, 2014