

ASADUZZAMAN ASAD

Summary

Full Stack Developer with 2+ years of experience architecting enterprise web applications using React, Next.js, Vue.js, and Laravel. Specialized in microservices architecture, real-time systems, payment integrations, and scalable solutions handling millions of transactions with expertise in Docker, RabbitMQ, and database optimization.

Technical Skills

Languages: JavaScript, TypeScript, PHP, SQL, C

Frontend: React.js, Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, Bootstrap 5, AJAX, JSON

Backend & Frameworks: Laravel, Node.js, RESTful APIs, GraphQL, Socket.io, Pusher, RabbitMQ

Databases: MySQL, PostgreSQL, Redis, Query Optimization

DevOps & Tools: Docker, Git, GitHub, Webpack, Vite, Cron Jobs, Task Scheduling

Architecture: Microservices, Repository Pattern, MVC, SOLID Principles, Design Patterns

Integration: Payment Gateways, SMS APIs, Shopify API, PDF Generation, Excel Reporting

Professional Experience

Wintel Limited

December 2024 – Present

Mid Level Full Stack Engineer

Dhaka, Bangladesh

- Architected SMS broadcasting platform (portal2.wintextbd.com) processing 100K+ daily messages with RabbitMQ, job scheduling, real-time monitoring, Docker deployment, and Vue.js frontend for top telecom operators
- Engineered national lottery ticket system (bdlotteryticket.com) managing 5 million ticket sales with merchant-wise tracking, automated PDF generation, multi-role authentication, payment gateway integration, and SMS masking API
- Developed comprehensive invoice management system (invoice.wineds.com) using master-child API architecture and automated report generation
- Implemented RAG-based AI chatbot for bongonest.com providing real-time insights from PostgreSQL with NLP and ML algorithms
- Led microservices transformation decomposing monolithic systems, achieving 40% latency reduction using Docker and service orchestration
- Configured production-grade server infrastructure including cron jobs, task schedulers, Socket.io real-time communication, and RabbitMQ queue management
- Built responsive frontend applications with TypeScript and Tailwind CSS integrated with RESTful Laravel backends for optimized user experiences

SoftBd Ltd.

June 2024 – December 2024

Junior Software Engineer

Dhaka, Bangladesh

- Delivered 7 enterprise-level applications across government, housing, and corporate sectors, reducing manual processing time by 60%
- Engineered government pesticide dealer system transforming complex regulations into streamlined Laravel application with Yajra DataTables
- Architected full-stack housing society platform (Navana Housing) with multi-tier RBAC supporting 1,000+ residents, facility booking, and automated workflows
- Built SEO-optimized Next.js website (stlautomationtechnology.com) achieving 95+ Lighthouse scores with SSR
- Modernized legacy HR payroll system by refactoring Laravel Voyager to custom MVC, improving performance by 45%
- Developed full-stack lyricists association platform (lyricistsassociationbd.com) with Laravel API backend and React frontend

Bangla Drop Shipping (BDS)

December 2023 – April 2024

Software Development Intern

Dhaka, Bangladesh

- Developed e-commerce platform features including product catalog, shopping cart, and automated order workflows for drop-shipping
- Acquired Laravel expertise (MVC, Eloquent ORM, routing, middleware, OOP) and design patterns
- Built responsive web applications with HTML5, CSS3, JavaScript ES6, jQuery, and React.js, participating in code reviews and sprint planning

Key Projects

City Events Platform | *Next.js, TypeScript, API Routes*

GitHub

- Full-stack Next.js application showcasing server-side rendering, API routes, dynamic routing, and TypeScript integration for event management

Housing Management System | *Laravel, Next.js*

- Property management system handling tenant details, rental payments, property records, and automated reminder notifications

Pesticide Dealer Management System | *Laravel Blade, Yajra DataTables*

- Inventory and dealer tracking system with advanced search, filtering, and regulatory compliance reporting capabilities

HR Payroll System | *Laravel, MySQL*

- Automated payroll and attendance platform with salary calculation, tax computation, and comprehensive reporting features

Event-Driven Socket.IO System | *Socket.IO, Docker, Laravel*

GitHub

- Real-time communication architecture using Socket.IO with Docker containerization for scalable deployment

Shopify Product API Integration | *Laravel, GraphQL, Repository Pattern*

GitHub

- RESTful API for creating Shopify products with multiple variations using GraphQL API 2025-07, implementing Repository Pattern with dependency injection and comprehensive validation

Company Portfolio Websites | *Next.js, React*

wintelbd.com

- Modern portfolio websites with SEO optimization, responsive design, and performance enhancements for corporate clients

Education

Green University of Bangladesh

2018 – 2023

Bachelor of Science in Computer Science and Technology | CGPA: 3.10/4.00

Dhaka, Bangladesh

- Major: Machine Learning — Human Emotion through Image Classification

Kushtia Government College

2013 – 2015

Higher Secondary Certificate (HSC) | Group: Science | GPA: 5.00/5.00

Kushtia, Bangladesh

Kushtia Zilla School

2008 – 2013

Secondary School Certificate (SSC) | Group: Science | GPA: 5.00/5.00

Kushtia, Bangladesh

Publications & Technical Articles

Thesis & Conference Papers - Machine Learning and Computer Vision

GitHub

Technical Articles on Medium

- Unlocking TypeScript's Power: Why Passing Objects to Functions is a Game-Changer
- How I Stopped Laravel Jobs from Popping Up Messy Windows on Windows Server
- PostgreSQL Auto-Increment Primary Keys: The Hidden Pitfalls of Manual ID Insertion
- Document vs Window in JavaScript: What's the Difference and How They Work Together

Certifications & Achievements

Dean's Award (Twice) - Academic Excellence at Green University of Bangladesh

Wadhwani Foundation Soft Skills Certification - Communication, Teamwork, and Professional Development

EDGE Web Development Certification - PHP and Laravel Specialization