

ASADUZZAMAN ASAD

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Portfolio

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 <i>Next.js, TypeScript, API Routes</i>	GitHub
<ul style="list-style-type: none">Full-stack Next.js application showcasing server-side rendering, API routes, dynamic routing, and TypeScript integration for event management	
Housing Management System <i>Laravel, Next.js</i>	
<ul style="list-style-type: none">Property management system handling tenant details, rental payments, property records, and automated reminder notifications	
Pesticide Dealer Management System <i>Laravel Blade, Yajra DataTables</i>	
<ul style="list-style-type: none">Inventory and dealer tracking system with advanced search, filtering, and regulatory compliance reporting capabilities	
HR Payroll System <i>Laravel, MySQL</i>	
<ul style="list-style-type: none">Automated payroll and attendance platform with salary calculation, tax computation, and comprehensive reporting features	
Event-Driven Socket.IO System <i>Socket.IO, Docker, Laravel</i>	GitHub
<ul style="list-style-type: none">Real-time communication architecture using Socket.IO with Docker containerization for scalable deployment	
Shopify Product API Integration <i>Laravel, GraphQL, Repository Pattern</i>	GitHub
<ul style="list-style-type: none">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 <i>Next.js, React</i>	wintelbd.com
<ul style="list-style-type: none">Modern portfolio websites with SEO optimization, responsive design, and performance enhancements for corporate clients	

Education

Green University of Bangladesh	2018 – 2023
<i>Bachelor of Science in Computer Science and Technology</i> <i>CGPA: 3.10/4.00</i>	<i>Dhaka, Bangladesh</i>
<ul style="list-style-type: none">Major: Machine Learning — Human Emotion through Image Classification	
Kushtia Government College	2013 – 2015
<i>Higher Secondary Certificate (HSC)</i> <i>Group: Science</i> <i>GPA: 5.00/5.00</i>	<i>Kushtia, Bangladesh</i>
Kushtia Zilla School	2008 – 2013
<i>Secondary School Certificate (SSC)</i> <i>Group: Science</i> <i>GPA: 5.00/5.00</i>	<i>Kushtia, Bangladesh</i>

Publications & Technical Articles

Thesis & Conference Papers - Machine Learning and Computer Vision	GitHub
Technical Articles on Medium	
<ul style="list-style-type: none">Unlocking TypeScript's Power: Why Passing Objects to Functions is a Game-ChangerHow I Stopped Laravel Jobs from Popping Up Messy Windows on Windows ServerPostgreSQL Auto-Increment Primary Keys: The Hidden Pitfalls of Manual ID InsertionDocument 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