MD. RIFAT HOSSAIN

Backend Engineer | Laravel · ASP.NET · MySQL · PostgreSQL
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SUMMARY

Backend engineer with 3+ years building multi-tenant SaaS platforms, REST APIs and relational data models in Laravel and ASP.NET. Strong in database design, query performance, payment and real-time integrations, and automated testing. First author of an IEEE Access paper with 55 citations.

TECHNICAL SKILLS

Languages	PHP, C#, SQL, JavaScript, TypeScript, Python
Backend	Laravel, Filament, ASP.NET MVC / Web API, .NET Core, REST, SOAP, WebSockets
Databases	MySQL, PostgreSQL, pgvector, SQL Server, Redis, Meilisearch
Cloud & DevOps	Docker, Nginx, Coolify, Linux VPS, AWS S3, Git, GitHub
Integrations & AI	Stripe, PayPal, SSLCommerz, Amar Pay, Twilio, OpenAI, RAG, LLM tool calling
Testing	Pest, PHPUnit, Postman

EXPERIENCE

Software Engineer — Web Makers LTD
Jun 2025 – Present · Dhaka, Bangladesh

- Build multi-tenant Laravel SaaS platforms on MySQL and PostgreSQL, with an isolated database per tenant.
- Wrote 3,800+ automated Pest tests across 295 test files for the Meety mentorship platform.
- Built a retrieval-augmented generation (RAG) assistant on PostgreSQL and pgvector, with a tool-selection agent loop that runs CRUD actions from natural-language requests.
- Shipped Stripe subscription billing, AWS S3 storage and real-time features with Laravel Reverb (WebSockets).
- Integrated Stripe, PayPal, Twilio, OpenAI, Clover and GoHighLevel APIs for web and mobile clients.
- Provision Linux VPS servers and deploy applications with Nginx and Coolify.

Software Engineer — MicroDeft
Dec 2022 – May 2025 · Dhaka, Bangladesh

- Cut API response times by **40%** by rewriting slow queries and adding indexes in MySQL and SQL Server.
- Designed databases and built backends and REST APIs for 4 products, from concept to production: multivendor e-commerce, job portal, lead management and hotel reservation.
- Developed enterprise applications in ASP.NET MVC and Web API; built and consumed REST and SOAP services for system integrations.
- Added Meilisearch full-text search with Redis caching, and integrated local and international payment gateways.
- Built a GPT-powered CV builder, bulk CV download and candidate screening workflows for the job portal.
- Upgraded legacy PHP codebases from PHP 7.3 to PHP 8.1.

SELECTED PROJECTS

Meety · Mentorship Platform · *Laravel 12, MySQL, Redis, Stripe, Reverb, Filament*
Database-per-tenant SaaS with session booking, communities, courses and a social feed; 3,800+ Pest tests.

AI Assistant Platform · AI · SaaS · *Laravel 13, OpenAI, PostgreSQL, pgvector, Twilio*
Multi-tenant assistant with RAG on pgvector, AI-driven CRUD and real-time messaging.

MailEditor · SaaS · *Laravel 11, MySQL, Stripe, Filament, AWS S3*
Multi-tenant email editor SaaS with Stripe subscriptions, S3 storage and real-time collaboration; 84+ tests.

EDUCATION

B.Sc. in CSE, American International University-Bangladesh (AIUB)
Dec 2022 · CGPA 3.85 / 4.00

PUBLICATION

M. R. Hossain, F. A. Nirob, A. Islam, T. M. Rakin, M. Al-Amin. "A Comprehensive Analysis of Blockchain Technology and Consensus Protocols Across Multilayered Framework." *IEEE Access*, vol. 12, pp. 63087–63129, 2024. doi:10.1109/ACCESS.2024.3395536