

Md Kamran Hosan

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About Me

With over two years of experience in PHP, Laravel, Vue.js, and RESTful APIs. I specialize in building scalable web applications, designing secure APIs with Passport-JWT, and optimizing performance with Redis caching. Skilled in Laravel's Event-Listener architecture, Queues, and Jobs, I thrive in Agile environments focused on clean code and collaboration.

Skills

Advanced: PHP, Laravel, RESTful API, MySQL

Intermediate: Vue.js, React.js, Git, Github, Docker, Redis

Familiar: Wordpress, CodeIgniter

AI/LLM Skills: Prompt Engineering, OpenAI GPT-4/GPT-4o, Natural Language Processing (NLP)

Third Party Integrations

- **ShurjoPay:** Integrated payment gateway for secure transactions
- **OpenAI GPT-4 & GPT-4o:** Used for natural language SQL reporting and future market prediction
- **OTP (SMS):** Phone-based verification for authentication systems
- **Mailgun:** SMTP email service for notifications and communication
- **Pusher:** Real-time messaging and live chat
- **Google Maps API:** Location-based features and tracking
- **Sentry:** Error monitoring and debugging

Featured AI Project

Mira- AI-Powered Report Generation Assistant

- Used GPT-4o model to convert natural language into SQL, cutting report time by 90%.
- Delivered 100% dynamic reports improving user productivity by 3x.
- Integrated 3-month product forecasts using trends from 3M+ rows of sales, stocks, purchases, and returns data.
- Deployed in production for our DMS/ERP system used by Honor Mobile and Nokia Mobile, handling 3M+ records with <30s report load time

Educational Qualifications

Bachelor of Science 2018- 2021

Jatiya Kabi Kazi Nazrul Islam University, Trishal, Mymensingh

- Bachelor of Science in Computer Science & Engineering (CSE) with a strong foundation in software development.
- Gained expertise in Data Structures and Algorithms, database management, and modern technologies.
- Developed problem-solving skills to build efficient and scalable applications.

Professional Experiences

Software Engineer

OCT 2023 – PRESENT

Synergy Interface Ltd | Mirpur DOHS, Dhaka, Bangladesh

- Build full-stack apps and REST APIs with optimized Postman setups for mobile teams.
- Design efficient databases using Eloquent ORM and best practices.
- Integrate OpenAI for AI-driven features and insights.
- Boost performance 3x using Redis caching and Agile workflows.

Junior Software Developer

MAR 2023 – SEP 2023

Questlog Holdings Ltd | North Badda, Dhaka, Bangladesh

- Built efficient software with team collaboration and business-focused solutions.
- Integrated payments and structured code using a service layer.
- Designed efficient databases using Eloquent ORM and best practices.

Projects

Distribution Management System (DMS)

- ERP system for Nokia and Honor Mobile's distributors in Bangladesh.
- Managing 1.5M+ stocks, 1M+ sales, including warranty activations
- Supporting 500+ distributors and 19,000+ retailers in daily operations.

Skill Used: PHP, Laravel, RESTful APIs, MySQL, Event-Listener, Scheduling, Redis

Nursery Management System (NMS)

- ERP system with a mobile app to manage plant production and sales across 500+ Beats and 100+ Ranges, with an approval hierarchy system.
- Used Redis Caching, API Resources to enhance system security, optimization, and performance.

Skill Used: PHP, Laravel, RESTful APIs, MySQL, Laravel Event-Listener, Redis

Field Force Tracking System (FFTS)

- A real-time GPS tracking system for 1,000+ SRs daily, scheduling visits and verifying attendance.
- Stores location data every 10 minutes (9 AM – 6 PM) and generates reports on visit status (on-time, late, missed).
- Provides a notification system for missed visits to the users

Skill Used: PHP, Laravel, RESTful APIs, MySQL, Event-Listener, Scheduling, Redis

Service Record Management System (SRMS)

- A multilingual centralized system to manage 25+ types of employee data for the Forest Department, Bangladesh
- Designed a 3-tier approval workflow to enabling secure, transparent validation
- Enabled division-wise and circle-wise reporting using for over 4,000+ employee profiles across multiple forest divisions.

Skill Used: PHP, Laravel, MySQL, Livewire, Event-Listener, Caching

Diagnostic Center Management System (DCMS)

- A system allowing patients to book health packages and doctor appointments with real-time slot availability set by doctors.
- Enabled patient history tracking and PDF prescription downloads after doctor visits, improving patient management and convenience.

Skill Used: PHP, Laravel, MySQL, Laravel Event-Listener, Scheduling, ShurjoPay

MyKrishi

- A web and mobile app based platform for agricultural investment, enabling unit-based crop/livestock investments across Bangladesh.
- Enabled real-time project updates via an agent feed, with automated investor notifications and comment interactions.
- After completing a project investor can claim their return value

Skill Used: PHP, Laravel, Vue.js, RESTful APIs, MySQL, Laravel Event-Listener, Redis, Scheduling, ShurjoPay