PROTHOM ACHARJEE

Senior Software Engineer · Laravel · Fintech & ERP Systems · React · .NET Core

Dhaka, Bangladesh (open to remote) | +880 1818 105488 | me.prothomacharjee@gmail.com

linkedin.com/in/prothom-acharjee | github.com/prothomacharjee | prothomacharjee.github.io

PROFESSIONAL SUMMARY

Senior software engineer with 8 years of shipping production systems, mostly in PHP and Laravel, including 2 years of ASP.NET and .NET Core (C#) on Microsoft SQL Server. Since 2023, has built core backend systems for a high-volume fintech platform where every transaction must be recorded exactly once, across about 1 million transaction, ledger and bonus entries a day: payment gateway integrations, wallets and fund transfers, and a double-entry transaction ledger. Earlier, led the team behind a multi-company ERP, built a central OAuth2 server and, as sole developer, a telemedicine system for three Bangladesh Navy hospitals. Now technical lead on a real estate marketplace SaaS, working across Laravel, React and Next.js.

TECHNICAL SKILLS

Backend: PHP 8, Laravel, CodeIgniter, OOP, RESTful APIs, Payment Processing, Digital Wallets, Payment Gateway Integration, Redis, Queues, Event-Driven Processing (Laravel Events), Multi-Tenant Architecture, OAuth2

.NET: C#, .NET Core, ASP.NET MVC, ASP.NET Web API, ADO.NET, Entity Framework; Crystal Reports, RDLC, SSRS

Databases: MySQL, Microsoft SQL Server (T-SQL, Stored Procedures, Functions, Views, Triggers), Concurrency Control, Query Optimization, Execution Plans; PostgreSQL and MongoDB (working knowledge)

Security: OAuth 2.0, JWT, Laravel Sanctum/Passport, RBAC, Encryption, KYC and Fraud Checks

Frontend: React, Next.js, JavaScript, Blade, Tailwind CSS, Bootstrap

Testing & Quality: PHPUnit (Unit and API Tests), SOLID Principles, Service/Repository Pattern, Code Review

DevOps & Cloud: Git, GitHub, Docker, Kubernetes, Jenkins CI/CD, AWS (EC2, RDS), Microsoft Azure, Ubuntu, Nginx

AI-Assisted Development: Claude Code, Codex, ChatGPT, GitHub Copilot, Cursor; every change reviewed and tested by hand

PROFESSIONAL EXPERIENCE

Softic · Dhaka, Bangladesh *Nov 2023 – Present*

Senior Software Engineer · Full-time

- Develop core backend modules for a fintech platform serving 100,000 active users and processing around 100,000 transactions a day. Case study: prothomacharjee.github.io/case-study.html
- Built wallets, deposits, withdrawals and fund transfers, and a double-entry, append-only ledger with automated 30-second matching of pending deposits against gateway records.
- Integrated crypto and fiat payment gateways via RESTful APIs, with webhook handling and automatic retries.
- Prevented duplicate transactions and race conditions under load with row-level locks, fixed lock ordering, unique-key deduplication and Redis per-user submit locks.
- Implemented API security with JWT, Laravel Sanctum/Passport, role-based access control and encryption, plus KYC verification and fraud checks; built event-driven processing with Laravel events, Redis queues and caching.
- Designed the affiliate and referral engine with automated bonus payouts; wrote PHPUnit unit and API tests.
- Reduced a heavy financial report's load time by 70% through query and index optimization; Employee of the Month, May 2025.

KoldaTech · Brooklyn, NY (Remote) *Jan 2026 – Present*

Senior Software Developer · Remote, flexible hours

- Lead technical development of Massara, a real estate marketplace SaaS in development: design the Laravel backend and RESTful APIs and run its AWS infrastructure with Docker, Kubernetes and Jenkins CI/CD.
- Lead a team of 5: break the roadmap into sprints, allocate tasks, set deadlines and review code.
- Delivered the React and Next.js front end of badiohub.com and manage its production deployment.

Glorious IT · Dhaka, Bangladesh (Remote) *Mar 2024 – Present*

Laravel Developer · Contract, project-based

- Customize and deploy a Laravel ERP, POS and HRM product for around 20 independent clients, and build features for its SaaS edition, which serves 100+ businesses.
- Delivered a SaaS ERP for production-based factories (Jun – Aug 2024): inventory, production planning, quality control and accounting. millsoft.xyz
- Delivered a SaaS ERP for Autodynamics: multi-location stock, multi-warehouse POS and invoicing with automatic tax.

Magnetism Tech Ltd. · Chattogram, Bangladesh *Feb 2023 – Oct 2023*

Software Programmer (ERP Project Lead) · Full-time

- Led a team of 5–6 (developers, QA and a designer) as project lead on a Laravel 10 multi-company ERP and HRM product. mhakimerp.com
- Gathered requirements on client sites, designed the HR and payroll logic and database, and built the supply chain and accounting modules; used by two steel companies with around 2,500 users each.
- Set up and ran production infrastructure on AWS EC2 and RDS with Nginx, Docker, Kubernetes and Jenkins CI/CD.

Small Biz Marketing · United States (Remote) *Mar 2022 – Dec 2023*

PHP Web Developer · Part-time

- Delivered HistoryChip (now Journall) end to end for a US client, from PHP and JavaScript development to AWS server setup, deployment and performance tuning.

Genuine Technology & Research Ltd. · Chattogram, Bangladesh *Jan 2021 – Feb 2023*

Programmer (2022 – 2023) · Junior Programmer (2021) · Full-time

- Engineered a central OAuth2 server for the company's multi-tenant products (600–800 tenants); trained in-house developers and interviewed engineering candidates.
- Developed core components of an in-house no-code platform on .NET Core (C#), ASP.NET MVC, Entity Framework, SQL Server and Azure. Case study: prothomacharjee.github.io/case-study-padma.html
- Wrote complex T-SQL (stored procedures, functions, views, triggers) and Crystal Reports, RDLC and SSRS reports for HR, payroll, accounts and ERP systems; tuned slow queries with execution plans and indexing.

Chattala24 · Chattogram, Bangladesh *Sep 2020 – Nov 2020*

IT Executive · Contract

- Set up networking, the company website and online security for an IPTV and online media startup.

Navy Care (Independent) · Chattogram, Bangladesh *Feb 2020 – Aug 2020*

Independent Developer

- Built, as sole developer, a web and Android telemedicine system during the 2020 lockdown; now running in three Bangladesh Navy hospitals. Case study: prothomacharjee.github.io/case-study-navy-care.html

Ingenuity Software Solution · Chattogram, Bangladesh *Sep 2018 – Jan 2020*

Programmer · Junior Programmer · Full-time

- Developed PHP and CodeIgniter features for POS, pharmacy, factory management and e-commerce systems.

OPEN SOURCE

- **laravel-wallet-ledger** — Public Laravel wallet and double-entry ledger with Docker, a GitHub Actions CI pipeline and concurrency tests. github.com/prothomacharjee/laravel-wallet-ledger

EDUCATION

B.Sc. in Computer Science & Engineering — Premier University, Chattogram · 2014 – 2018 CGPA: 3.79 / 4.00

MBA — Human Resource Management — Premier University, Chattogram · 2020 – 2022 CGPA: 3.70 / 4.00

TRAINING, CERTIFICATION & LANGUAGES

.NET Web Development — BITM, 2018 (3-month training) · Google Project Management Certificate (Coursera)

Bengali — Native **English —** Professional working proficiency