

Marcel David Baroi

SOFTWARE ENGINEER

Dhaka, Bangladesh · Open to on-site and hybrid roles
marceldavidbaroi@gmail.com · linkedin.com/in/marcel-david-baroi · github.com/marceldavidbaroi

SUMMARY

Software Engineer with production experience in PHP (Laravel/MVC), Vue 3, Quasar, TypeScript, PostgreSQL, MySQL, and Flutter. Builds full-stack ERP, helpdesk, and mobile POS systems used in live operations. Increased reusable frontend packages by 60% using private npm/SemVer. Notre Dame College (HSC) and B.Sc. CSE, CGPA 3.91.

TECHNICAL SKILLS

Languages	PHP, JavaScript, TypeScript, Dart, SQL, Python
Frontend	Vue 3, Quasar, Pinia, React, Next.js, HTML, CSS, Tailwind CSS
Backend	Laravel, REST APIs, NestJS, Node.js, Supabase (Auth, RLS, Realtime)
Database	PostgreSQL, MySQL, MongoDB, Firebase Firestore, SQLite
Mobile	Flutter, Dart, Capacitor (Android), offline-first SQLite
Tools	Git, Docker, Vite, npm/SemVer packages, Linux

EXPERIENCE

Junior Software Engineer

November 2024 – Present

Proficient Information Systems — Dhaka, Bangladesh (Hybrid)

Grew from Vue 3/Quasar UI work into full-stack delivery on PHP (Laravel/MVC), PostgreSQL/Supabase, and MySQL. Built modular frontend packages that raised cross-project reuse by 60%.

- Delivered core modules for a multi-tenant wholesale ERP: landed-cost engine, double-entry ledger, and virtual stock allocation (Vue 3, Quasar, PHP, PostgreSQL, Supabase RLS).
- Built customer support workflows for a multi-channel helpdesk: Quasar agent UI, Laravel BFF, IMAP email ticketing, MongoDB tickets + MySQL RBAC (4 workbenches, 3 intake channels, 30+ REST APIs).
- Split shared Quasar UI into versioned private npm packages (Vite library mode, SemVer), reused across client apps.
- Shipped accounting and operations screens (PennyPerfect, SuperCards) on Vue 3/Quasar with Laravel Sanctum multi-tenant APIs.
- Represented the company at the 25th Textech Bangladesh International Expo 2026 with 4 days of live ERP demos for garment buyers.

Software Developer (Own Products and Client Work)

July 2025 – Present

Dhaka, Bangladesh | Parallel with full-time role

- TradeflowBD** (own product): multi-tenant wholesale ERP for inventory, landed costing, and invoicing (Vue 3, Quasar, PostgreSQL, Supabase RLS, 17+ modules).
- Smart Hisab** (client): offline-first Flutter canteen POS with SQLite queue, Bluetooth thermal print, and Supabase double-entry ledgers; sub-1.2s checkout, 500+ meals per rush, 0.0% shift cash variance.
- BrandWala Retail**: React 19 storefront and Python catalog pipeline for 40+ K-Beauty brands; cut Firestore read cost about 60%. github.com/david-git-2/brand-wala-retail

EDUCATION

B.Sc. in Computer Science and Engineering

2020 – 2024

Daffodil International University, Dhaka | CGPA 3.91 / 4.00 | 142 credits

Higher Secondary Certificate (HSC), Science

2017 – 2019

Notre Dame College, Dhaka | GPA 4.67 / 5.00 | Dhaka Board | Batch 2019

MORE

Languages	English, Bengali
Additional	BrandWala import-export (2025 – Present): Excel landed-cost, supplier bills, and stock sheets — the trade work behind the ERP costing features.
Certifications	Google Cloud: Prompt Design in Vertex AI; Responsible AI (2025). Cisco: Python Essentials 2 (2025); JavaScript Essentials 2 (2024). freeCodeCamp: Responsive Web Design. HackerRank: JavaScript, React, Python (Basic).