

MOMIK SHRESTHA

📍 Nepal ✉ momik.shrestha@gmail.com ☎ +977-9860222338 🌐 momikshrestha.com.np
in Momik Shrestha 📺 PG-Momik

SUMMARY

Software Engineer driven by a 'build, build, build' philosophy, constantly experimenting with new tools to create efficient and practical solutions.

TECHNICAL SKILLS

- Backend Frameworks: Laravel, Express.js, REST API, CKAN API
- Frontend Technologies: Vue.js, jQuery, SCSS, Tailwind
- Databases: PostgreSQL, MongoDB, Redis
- Development Tools: Docker, Git, PHPUnit, Postman, Linux, Typescript
- Software Architecture: MVC, Service-Repo Pattern, Factory Pattern, Multi-tenant
- Documentation: Markdown, Scrabble, SwaggerUI, Excalidraw, Draw.io

EXPERIENCE

Software Engineer

YoungInnovations Pvt. Ltd.

*Lalitpur, Nepal
Mar. 2023 – Present*

Took on responsibilities beyond development, contributing across client communication, architecture, mentorship, and interim team leadership.

- Scoped features, estimated efforts, and aligned deliverables with business goals and timelines.
- Mentored 3+ junior developers and onboarded new hires to internal tools and workflows.
- Developed features, managed releases, delegated tasks, and ensured timely project delivery.
- Acted as interim team lead, overseeing daily stand-ups, story planning, and code reviews.
- Designed scalable backend systems emphasizing clean architecture and maintainability.
- Wrote performant SQL using PostgreSQL CTEs for critical dashboards.
- Resolved 50+ high-priority issues reported via Zendesk.
- Integrated third-party APIs to extend application capabilities.
- **Tech stack:** Vue.js, Tailwind, Laravel, PostgreSQL, TypeScript, Node.js, MongoDB, Docker, Postman

Backend Developer Trainee

YoungInnovations Pvt. Ltd.

*Lalitpur, Nepal
Sept. 2022 – Mar. 2023*

Contributed to multiple Laravel-based projects by completing assigned development and testing task or tickets.

- Built RESTful APIs with optimized performance and security (400ms response time).
- Automated localization processes, reducing translation effort by 50%.
- Closed 30+ tickets with clean and testable code.
- Developed PHPUnit tests to maintain code quality and test coverage.
- Collaborated with senior engineers on key feature implementations and bug fixes.
- **Tech stack:** Laravel, PostgreSQL, PHPUnit, Git, Docker, Postman

Frontend Developer

TofuTechnovations Pvt. Ltd.

*Kathmandu, Nepal
Apr 2020 – Mar. 2021*

Created webpages and maintained legacy web applications

- Created interactive web prototypes and improved UX in collaboration with designers.
- Translated 5+ Figma designs into responsive templates with 95% accuracy.
- Integrated front-end components with RESTful APIs.

- Maintained and refactored legacy jQuery codebases.
- **Tech stack:** HTML, CSS, JS, jQuery, SCSS, Tailwind, Figma, Postman

PROJECTS

IATI Publisher (*Laravel, Vue.js, TypeScript, PostgreSQL, REST APIs, OpenSource*)

<https://www.github.com/IATI/iatipublisher> 

- Took ownership of the project following senior team departures; now lead client communication, team coordination, technical direction, and end-to-end development and maintenance.
- Integrated application authentication using OIDC-based Single Sign-On (SSO) with Asgardeo.
- Optimized a critical end-to-end publishing workflow, reducing processing time from 20 minutes to 2 minutes by leveraging queues, caching, and S3 storage.
- Automated the localization workflow using PHP scripts, Google Sheets API, and Google Apps Script, eliminating manual translation effort.
- Managed 7+ feature releases, including scope definition, estimation, development, testing, and delivery.
- Increased unit test coverage from 55% to 71% by implementing comprehensive PHPUnit test suites.
- Integrated with IATI Registry and IATI Validator APIs, with detailed error reporting.
- Resolved 30+ technical issues reported by clients via Zendesk.

Career Service Center (*Laravel, PostgreSQL, REST APIs*)

- Collaborated on integrations involving SpeedExam, Manatal, and Moodle, working across authentication and data transformation layers.
- Optimized dashboard performance using PostgreSQL CTEs for complex queries, ensuring sub 300ms response times.
- Designed and developed scalable REST APIs for multi-tenant architecture with strict access control.
- Implemented new features while preserving robust Role-Based Access Control (RBAC) logic.

Aidstream (*Laravel, Vue.js, Typescript, PostgreSQL, REST APIs*)

- Developed PHPUnit test coverage for key workflows and features, ensuring release confidence.
- Resolved 30+ client-facing technical issues and feature requests, increasing overall user satisfaction.
- Worked with cross-functional teams on API development, bug fixing, and feature delivery.
- Built a robust XLSX import feature that reduced data import time by 50%.
- Improved performance by optimizing complex SQL using indexes.


The Only Ever Obsidian Plugin (*TypeScript, Node.js, Serverless, RPC, MongoDB, Opensource*)

https://www.github.com/OnlyEver/onlyever_obsidian_sync 

- Collaborated with the Obsidian developer community and integrated with native Obsidian APIs.
- Developed a cross-platform plugin with offline capabilities and seamless synchronization.
- Created a Chrome extension companion for interaction outside Obsidian.
- Created serverless API's for mobile application.


SIDE PROJECTS

gmail-local-llm (*Node.js, Local LLM, Gmail API, SQLite*)

<https://github.com/PG-Momik/gmail-local-llm> 


- A Node.js project that integrates a local LLM with the Gmail API to automatically classify emails (application, interview, rejection, etc.) and store results in SQLite.

Docu-sphere (*Laravel, Inertia, Vue 3, SQLite, Electron, FrankenPHP*)

<https://github.com/PG-Momik/docu-sphere-beta> 

- An offline-first desktop app built with Laravel, Inertia, Vue 3, and SQLite in Electron, packaged with FrankenPHP. Demonstrates a full-stack web-to-desktop application workflow.

IpoCalendar Browser Extension (*Chrome Extension, Vue.js, Laravel, SQLite*)

<https://github.com/PG-Momik/ipo-calendar-extension> 

- A Chrome extension developed with Extension.js's Vue starter kit, backed by a Laravel 11 + SQLite API. Tracks and manages IPO events in an integrated way.

EDUCATION

Lincoln University, Malaysia

2024 - 2026

Master's in Computer Sciences

- Relevant Coursework: System Design, Data Warehouse and Big Data, Data Analytics, Artificial Intelligence

Tribhuvan University, Nepal

2018 - 2023

Bachelor's in Computer Application

- Relevant Coursework: Web Technologies, Database Management Systems, Software Development, Data Structures and Algorithms
- GPA: 3.36/4.0