Aryan Malla

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Summary

I am a Laravel Developer, specializing in building scalable, secure, and high-performance web applications. My experience includes developing RESTful APIs and event-driven systems, with a strong focus on code quality, maintainability, and reliability. During my back-end development internship at Intuji and my current job at Mantra IT Solutions, I have gained hands-on experience with Laravel, MySQL and Docker, contributing to real-world projects and collaborating in an agile team environment. Skilled in PHP, OOP, database design, and modern JavaScript (ES6+), I bring a balanced strength in both back-end engineering and front-end development. I am eager to contribute to innovative projects that demand technical excellence and continuous improvement.

Education

Sunway College Kathmandu, BSc(Hons) Computer and Data Science   2023 – May 2027 (Expected)
- Consistently Maintained First-Class Honours
- **Coursework:** Computer Programming with Python, OOP in Java, Database and Web Application Development, Data Structures and Algorithms (Python), Prob & Stat, Linear Algebra, Data Visualization with R

Grammar College, High School (+2 Management)   June 2021 – Aug 2023
- GPA: 3.49
- **Coursework:** +2 With Basic Mathematics and Computer Science.

Experience

Frontend Developer [React], Techy Lads Solutions – Baluwatar, Kathmandu   Sep 2024 – Jan 2025
- Gained expertise in asynchronous programming with `async/await` and `Promises`, implementing efficient data fetching and handling with `Axios` and `Fetch API`.
- Implemented robust error handling and logging mechanisms using libraries, ensuring smooth operation and effective debugging of API services in production.

Back-End Development Intern [Laravel], Intuji – Sanepa, Lalitpur   Jan 2025 – Apr 2025
- Gained hands-on experience with `Laravel` for building robust back-end services and APIs.
- Developed secure and scalable RESTful APIs using `JWT` for authentication and authorization.
- Worked with `MySQL` and `Postgres` for efficient data management, optimizing queries for performance.
- Leveraged `Docker` for containerization, ensuring consistency across development, testing, and production environments.
- Implemented API rate limiting and `CORS` (Cross-Origin Resource Sharing) to improve security and performance.
- Utilized `WebSockets` and SSE (Server-Sent Events) to enable real-time communication features in applications.
- Worked with role-based access control (RBAC) to enforce authorization policies and secure access to resources.

Junior Laravel Developer, Mantra IT Solution – Jwagal, Lalitpur   Apr 2025 – Current
- Built and maintained back-end services and APIs using Laravel, ensuring scalability and security.
- Developed dynamic and interactive front-end features with Livewire, AJAX, and Blade templating.
- Designed and optimized complex SQL queries for efficient database performance.
- Integrated payment gateways to support secure and reliable transaction processing (Esewa and Khalti).
- Containerized applications with Docker to streamline development and deployment across environments
- Deployed applications on a dedicated server and further containerized them using Docker for consistency and portability.

Skills

Languages: PHP, JavaScript, Python.

Technologies: Laravel, MySQL, Docker, Livewire, WebSockets, SSE (Server-Sent Events), Role-Based Access Control (RBAC), OOP.

Tools: Git, Docker Hub, Postman, Linux OS(Ubuntu), GitHub and Gitlab.
Mathematics: Linear Algebra, Probability, Calculus, Statistics

Projects

Stock Sense: Real-Time Stock Tracker Web App   **[Github] [Demo]**
- Developed a full-stack stock portfolio tracking web app using `Laravel 12`, `PostgreSQL`, and `React`.
- Designed a clean, scalable API-only back-end with RESTful architecture and modular service-controller pattern.
- Implemented real-time stock price updates using `Laravel Reverb` with `Server-Sent Events (SSE)`.
- Built secure JWT-based authentication with access and refresh tokens for user sessions.
- Used `TanStack Query` for efficient and reactive data fetching and caching in React.
- Developed custom React hooks like `useFetchWatchList` and dynamic stock detail views with responsive design.
- Leveraged Laravel features including `migrations`, `factories`, `seeders`, `form requests`, and `API resources` for robust and maintainable back-end logic.
- Tools Used: Laravel 12, PostgreSQL, React, Docker

Concursonaire: Quiz-Based WebApp   **[Github] [Demo]**
- Designed and developed a modular web application enabling educators to design quizzes and students to participate for interactive learning and assessment.
- Implemented features for quiz creation, result analysis, and leaderboard tracking using an MVC framework for modularity and maintainability.
- Implemented a secure authentication system with session management to enforce user roles (admin, teacher, student) and ensure data integrity.
- Tools Used: PHP, Bootstrap, MySQL, MVC Framework

Continuing Airworthiness Management Organization (CAMO)   **[Github] [Demo]**
- Designed and implemented a web-based system for managing aircraft records, assemblies, and components.
- Developed modules for compliance monitoring, work order management, and component tracking (TSN, CSN, OC, HT).
- Built dynamic dashboards and reporting features, including PDF generation.
- Implemented a real-time notification system for due parts of aircraft, ensuring timely maintenance actions.
- Automated component updates with single flight data records, streamlining aircraft maintenance tracking.
- Tools Used: Laravel, MySQL, Blade, AJAX, Docker

Shree Airlines Official – B2C (New)   **[Live]**
- Developed a customer-facing airline booking platform for seamless ticket reservations and passenger management.
- Integrated secure payment gateways to enable smooth and reliable online transactions (Esewa and Khalti).
- Implemented advanced booking features including rescheduling flights, name change, open ticket issuance, and refund processing.
- Built dynamic and interactive components using Livewire to enhance real-time user experience.
- Designed with scalability and maintainability in mind, ensuring robust performance under high traffic.
- Tools Used: Laravel, Livewire, MySQL, Blade, Docker

Certifications

PTE Academic *Overall Score: 62*

- Test Taker ID: PTE001944794
- Registration ID: 426219986
- Test Date: 31 Jul 2022 (Valid Until: 31 Jul 2024)
- Test Centre: British Professional College, Nepal

Extra Learning

- Self-paced learning in various areas of Data Science, Machine Learning, and Web Development
- Continuous Learning through online platforms and tutorials

References

Madan Sapkota: Software Engineering Team Lead , Intuji : contact@madansapkota.com : 9814014504