

PURUSHOTTAM KUNWAR

Backend Engineer | PHP & Laravel

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Open to backend engineering roles, remote opportunities, and relocation | Available immediately

PROFESSIONAL SUMMARY

I'm a backend engineer with 7 years building and owning PHP/Laravel production systems for fleet management, e-learning, loyalty and service-operations products. I enjoy turning messy business requirements into reliable, well-tested REST APIs and background processing — handling schema design, auth (OAuth2, JWT, SSO), relational data modeling (PostgreSQL/MySQL), Redis-backed queues and caching, and CI/CD. I'm looking for a hands-on role where I can take ownership of core systems and keep sharpening my Laravel and systems-engineering skills.

CORE BACKEND STACK

PHP & Laravel: PHP, Laravel, Composer, Eloquent ORM, migrations, validation, middleware, service/repository patterns

APIs & Auth: REST APIs, Sanctum, JWT, OAuth 2.0, RBAC, SSO concepts

Data & Async: PostgreSQL, MySQL, Redis, Laravel Queues, caching, scheduled jobs

Quality & Delivery: Pest, PHPUnit, Docker, Git, GitHub Actions, GitLab CI, AWS S3/Lambda/EC2

ADDITIONAL SKILLS

Languages & Frameworks: Java/Grails, Python/FastAPI/Django, Go/Gin, Node.js/Express/NestJS, JavaScript/TypeScript, Vue 3/Inertia, React/Next.js

Data, Integrations & Infra: Oracle, MongoDB, Elasticsearch, GraphQL, WebSocket, SAML 2.0, SCORM, Terraform, Power BI, Stripe, PayPal, Twilio, SendGrid, Mapbox

EMPLOYMENT HISTORY

Backend Developer | Azminds Pvt. Ltd.

May 2019 – May 2026 (progressed from Assistant Software Engineer)

Backend engineer at a product-development consultancy responsible for delivering maintainable, production-ready PHP/Laravel systems across fleet operations, e-learning, and loyalty platforms. Regularly owned backend features end-to-end (schema design, API contracts, background processing, testing, and CI/CD) and contributed backend work in Java, Python, and Node.js when client stacks required it. Collaborated closely with frontend, QA, and client stakeholders to translate business requirements into reliable production features.

White-Label Loyalty Platform — FleetPro Customer Rewards

Laravel, PostgreSQL, Redis, AWS, Twilio, SendGrid, Vue

- Designed a configurable rewards engine — point earning/redemption, coupon management, and rule-based campaigns — so the business could launch new promotions through configuration rather than a new backend release.
- Built admin-facing APIs and customer-activity tracking, giving non-technical staff visibility into campaign performance and direct control over program rules.
- Decoupled SMS and email delivery through Redis-backed queued jobs, keeping the reward flow fast and resilient to slow or failing third-party APIs, and reducing the risk of silently dropped customer notifications.

FleetPro — Commercial Truck Sales, Service & Fleet Operations

Laravel, PostgreSQL, Redis, Laravel Queues, Vue

- Built modular backend functionality for truck sales, service, parts, rentals, and financing across multiple business locations, giving the business one consistent system instead of per-site processes.
- Designed status-based workflows and validation rules for vehicle, customer, and service data, reducing data-entry inconsistency and making operational reporting reliable enough for management to act on directly.
- Moved long-running tasks and notifications onto Redis-backed queues, keeping the system responsive as transaction volume grew across locations.

Yacht Cloud — Yacht Charter Booking Platform

I worked on broker-facing listing and booking features using Grails, Elasticsearch and AWS to improve discovery and booking flows.

- Built Elasticsearch-based search with filters and geospatial queries, keeping yacht discovery fast and relevant as the catalog grew, rather than relying on slower relational lookups.
- Integrated Stripe and PayPal payments alongside S3 media storage, Lambda processing, and Redis caching, giving customers flexible payment options and keeping listing and transaction data reliable for a high-value booking flow.

Skills Transfers — Multi-Tenant E-Learning Platform

Laravel, PostgreSQL, Redis, OAuth 2.0, RBAC, SCORM

- Designed a multi-tenant backend with strict tenant data isolation and OAuth2 SSO, letting the platform serve multiple institutional clients securely from a single codebase and reducing onboarding friction for enterprise tenants.
- Delivered subscriptions, role-based access control, certificate issuance, and SCORM-compliant content delivery, supporting the platform's core credentialing and compliance-training business for learners, instructors, and admins.

Waste Management Platform — Municipal Waste Operations

Python, Django, REST APIs, Power BI

- Built REST APIs in Python and Django that consolidated collection status, operational reports, work plans, and map-based data from multiple sources into a single, structured interface for the frontend.
- Integrated Power BI and other data sources into the backend, giving municipal operations staff a consistent, up-to-date view of collection activity instead of disconnected reports.
- Supported role-based access so different users saw only the operational data relevant to their responsibilities, working closely with the frontend team on API design.

Enterprise SSO Gateway — Identity & Access Management

I built a centralized authentication service to provide single sign-on across internal and client-facing applications.

- I implemented OAuth 2.0 Authorization Code Flow with PKCE and SAML federation, reducing the number of places user credentials were handled and giving every internal and client application a consistent security posture.
- I handled JWT token issuance, rotation, and session invalidation, limiting the exposure window if a token was ever compromised and making logout actually terminate access instead of leaving stale tokens valid.

NEMCCU (Java/Grails)

Worked in a small team that built a complete accounting system covering general ledger, balance-sheet reporting, AP/AR, payroll, and the full loan lifecycle.

- Designed ledger schemas and balance-sheet generation logic to keep financial positions accurate across entities, which the finance team relied on for reporting.
- Implemented loan origination, repayment, interest calculation, and end-of-day interest accrual — automating calculations that would otherwise be manual and error-prone.
- Built reconciliation routines and audit trails that reduced manual matching between systems and supported regulatory reporting requirements.

Implemented in Java/Grails; supported an Oracle-to-PostgreSQL migration.

PIMS (Python/FastAPI)

- Built pension calculation services and ETL workflows that consolidated data from multiple source systems into the figures used for individual pension calculations, where accuracy mattered directly to the people receiving those benefits.
- Packaged services with Docker and set up GitLab CI/CD, making deployments repeatable and reducing the risk of environment-specific bugs reaching production.

Listen on Repeat (Node.js/GraphQL/AWS)

- Implemented server-side playback and real-time backend features that kept the listening experience responsive, which matters directly to user retention on a streaming product.
- Built GraphQL APIs so different clients could fetch exactly the playback and media data they needed, and optimized media delivery on AWS to keep a bandwidth-heavy workload performant.

PERSONAL PROJECTS

Self-directed projects, built and maintained independently.

MacFixHubs — Device Repair Operations Platform

Laravel 12, Inertia, Vue 3, SSR, Laravel Queues, Pest

- Built repair-estimate and service-tracking workflows with configurable device, problem, and pricing catalogs, plus a public repair-ticket lookup flow.
- Implemented ticket-status transitions and public timeline events so customers could track repairs without admin access.
- Added queued customer notifications, rate limiting, and secured admin workflows for tickets, offers, FAQs, testimonials, and catalog maintenance, backed by Pest tests.

HabitTrack — Wellness, Habit, Food & Budget Platform

Laravel, Inertia, Vue 3, Sanctum, Flutter API, Queues

- Built backend modules for habits, food, water, weight, mood, budgeting, challenges, achievements, leaderboards, and social follows.
- Developed user-specific logging and reporting that combines daily activity, health entries, spending, streaks, and progress data.
- Exposed Sanctum-protected mobile APIs and scheduled backend jobs for daily guidance, reports, and notifications.

Yatra Sathi — AI Road Trip Planner for Nepal

TypeScript, Go, JavaScript, HTML/CSS, Docker, Claude API

- Built an AI-powered road trip planner for Nepal — given origin, destination, travel mode, and departure time, it uses the Claude API to generate a full itinerary: realistic drive times, meal and tea-break stops, fuel stations, scenic viewpoints, hotels, local food, and safety tips.
- Built the backend in Go with a TypeScript frontend, containerized with Docker.
- **Afno Ghar (TypeScript/JavaScript)**: Marketing website for a Nepal-based civil engineering and residential construction firm.

More projects: github.com/purushottam-kunwar

EDUCATION

Bachelor of Computer Information Systems | Pokhara University, Nepal

2015 – 2019 | Kathmandu

Learned software development, database design, and network security through coursework and hands-on team projects. Focused on applying technology to solve real business problems — building prototypes, using data analysis, and managing projects end-to-end. Graduated with practical experience in system design, implementation, and collaborative problem solving.

High School | Siddhi Kamala Devi Secondary School, Chautara, Sindhupalchowk

2013 – 2015 | Chautara

LANGUAGES

Nepali (Native) · English (Professional) · Hindi (Conversational)