Harshdeep Singh Mudhar

Full-stack Web Developer

Backend architecture, real-time systems, multi-tenant platforms, and payment/financial integrations.

Jalandhar, Punjab, India

Email LinkedIn GitHub

TECHNICAL SKILLS

Languages

PHP | TypeScript / JavaScript | Rust | Python

Backend

Laravel | Rust (Axum) | PostgreSQL | Redis | WebSockets

Frontend

Vue.js | React | Capacitor

DevOps & Integrations

Docker | Nginx | GitLab CI/CD | Stripe | Keycloak | Cloudflare

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EXPERIENCE

Software Developer (IT & Internal Systems) · Apexx Gold Mining Equipments

Oct 2025 – Present

Architecting internal software suite supporting scale from ~100 to 200+ employees across operations, sales, training, and communications.

- Built Drawing Management System for engineering drawings (PDFs, images, 3D models) with view-only access—downloads and printing disabled for security.
- Developed Machine Management App (web + mobile) for equipment tracking; distributed to external buyers as a client portal with offline-first outbox sync.
- Built real-time Chat Platform (WebSockets, push) with channels, attachments, and cross-app references (tasks, machines).
- Developed Marketing Messenger (Gupshup bulk campaigns), Task Management, and ISO 9001-aligned Training Module for company-wide skill tracking.

- Configured Keycloak SSO and WhatsApp OTP auth across all apps; built Ralicoan Batteries dealer app (Capacitor) and Filament admin panel.

Backend Developer · Akaal Creatives

Jun 2020 – Oct 2025

CourseDesk

2023 – 2025

- Led backend and significant frontend for a Canadian real estate e-learning platform: 2,500+ daily active users, ~250 new sign-ups/month.
- Built adaptive quiz engine, Stripe subscriptions (partial payments, tax, discounts), and Rust (Axum) multi-province auth with TOTP.
- Embedded Zoom classrooms in-browser; BunnyCDN video delivery and shared media library.
- On-call for Oracle VPS deployment health and GitLab CI/CD pipelines.

EduCoven

2024–2025

- Built full backend for a multi-sided immigration platform connecting students, Australian universities, and recruitment agents.
- Financial core: multi-year payment plans, pro-rata commissions, Stripe collection, weekly payouts, and double-entry accounting with bank reconciliation.
- In-app document signing and agent–university agreement system requiring signed contracts before student submissions.

Transport Job Auction Platform

2022

- Built real-time B2B transport auction backend in a team of under 10, with minimal senior support.
- Tracked 5,000–10,000 concurrent deliveries; Redis-batched GPS updates and WebSocket live bid/position updates.
- PostgreSQL row-level locking for concurrent bid resolution; 400–500 new jobs a day.

Client Helpdesk Portal

2024

- Built helpdesk web app for company clients to report issues and request features.

WordPress Maintenance & Early Development

2020–2021

- Maintained and updated client WordPress sites during initial remote period; transitioned to backend Laravel development in 2021.

EDUCATION

B.Tech in Computer Science · GNDU Regional Campus, Jalandhar (2016 – 2020)

- AWS Certified Developer – Associate (In Progress, Coursera)