

Batshal Acharya

Lalitpur, Nepal | acharyabatshal@gmail.com

Full-Stack Software Engineer

Full-stack engineer with 5+ years of experience building healthcare and business applications. Expertise in React, TypeScript, Node.js, PHP, and Laravel, spanning telehealth, platform modernization, API documentation, and developer tooling.

Technical skills

Languages & frameworks: JavaScript, TypeScript, PHP, Laravel, Node.js, React.js, Next.js, Vue.js, Python, HTML, CSS

Backend & APIs: RESTful APIs, authentication, role-based access, Stripe, Zoom, SignalR, OpenAPI, Swagger UI

Databases: MySQL, PostgreSQL, MongoDB

Tools: Git/GitHub, AWS CodeCommit, Docker, Linux, Jira & Figma API tooling, VS Code, JetBrains IDEs

Strengths: Healthcare workflows, legacy modernization, real-time coordination, analytics, API integration, application reliability, developer tooling

Professional experience

Full-Stack Software Engineer · Deerhold Ltd.

2023–Present · Siphel, Nepal

Recent highlights · 2026

- Built React and TypeScript kiosk and telehealth experiences for patient onboarding and guided health assessments.
- Developed real-time patient queues and provider assignment for telehealth care teams.
- Added health-metric summaries to clinical review interfaces for pre-consultation patient assessment.
- Improved healthcare administration tools, access control, content workflows, and reliability.
- Modernized API documentation with OpenAPI and interactive reference tools.
- Strengthened healthcare application security through dependency upgrades and vulnerability remediation.
- Created developer tools connecting product requirements, design assets, and implementation workflows.
- Prototyped containerized LiveKit video communication for telehealth.

Additional contributions · Current role

- Built and maintained a consumer health provider platform.
- Developed health metrics dashboards and charting.
- Implemented imperial and metric unit support.
- Upgraded PHP 5 services to PHP 8.
- Migrated frontend modules to React and TypeScript.



Associate Full-Stack Software Engineer · Deerhold Ltd.

April 2022–2023 · Siphah, Nepal

- Expanded a therapy platform to support multiple institutions.
- Built certificate and progress-scoring modules for PHQ-9, BHM-20, GAD-7, WEMWBS, and WHO-5 workflows.
- Maintained Zoom and Stripe integrations.
- Extended APIs for web and mobile feature parity.
- Contributed to a Next.js and React healthcare insurance product.
- Built stop-loss calculations and waterfall, bar, and pie chart reporting.

Full-Stack Development Intern · Deerhold Ltd.

February–April 2022 · Siphah, Nepal

- Developed profile, order, and admin modules for food-service applications.
- Implemented Stripe checkout for a Laravel-based subscription food delivery platform.

Full-Stack Development Fellow · Deerhold Ltd.

March 2021–February 2022 · Siphah, Nepal

- Co-developed a resource management platform using Node.js and React.
- Built attendance, leave management, email, notifications, and role-based dashboards.

Selected projects

Healthcare kiosk & telehealth: Patient onboarding, guided health assessments, and real-time care-team coordination.

Technologies: React, TypeScript, SignalR

Healthcare portal: Consumer wellness platform for Canadian users.

Technologies: React, TypeScript

Therapy assistance platform: Multi-institution therapy support and progress tracking.

Technologies: Vue.js, PHP, Laravel, Stripe

Healthcare insurance platform: Insurance management, analytics, and visual reporting.

Technologies: React.js

API documentation tooling: Interactive API references and documentation modernization using OpenAPI.

Technologies: OpenAPI, Swagger UI

Jira & Figma workflow tooling: Tools connecting product requirements and design assets with development workflows.

Technologies: Python, Node.js

Education

Tribhuvan University — Bachelor's in Computer Science and Information Technology, 2016–2020

