

PRADIP SUBEDI

Software Developer • APIs, web and mobile apps, test automation and CI

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Software developer since 2022, building APIs, web and mobile apps, and the test automation and CI that keep them working. 195 merged pull requests in open-source file-sync platforms at JankariTech, and part-time full-stack work on Seren, a health platform for shift workers.

EXPERIENCE

Full Stack Developer (part-time)

Code4 Pro • Seren

Mar 2026 – Present

Pokhara, Nepal

Seren is a physiological intelligence platform for shift workers on web, iOS and Android, built by a team of four engineers.

- Designed shift tracking end to end: PostgreSQL schema (a partial unique index allows one open shift per user), REST API and React Native screens, with shift ratings, shift types and voice dictation for notes.
- Built a live shift timer on the phone lock screen: an iOS Live Activity and an Android ongoing notification.
- Built one shared error-handling layer for every server action on web and mobile, so offline and timed-out actions fail clearly within 15 seconds instead of spinning.
- Built one-time email sign-in links that company email scanners cannot use up, plus invite, reset and sign-in emails that open straight in the iOS and Android apps.
- Integrated the mobile app with paired Garmin devices to sync each user's sleep schedule, replacing a fixed overnight default that didn't fit shift workers.
- Built REST APIs in Hono with OpenAPI across the product: shift check-in and check-out, work locations linked to shifts, admin access to team calendars, and heart-rate statistics served from a daily rollout table instead of raw heartbeat data.
- Built the reports page (daily, weekly, monthly) and the chat UI for the in-app AI assistant.
- Made every web page work down to 320px wide, and showed admins each user's days in that user's own timezone.
- Led a security review of authentication and access control and filed 10 follow-up issues.
- 47 pull requests merged since March 2026; reviewed teammates' pull requests.

Stack: TypeScript, React, TanStack Query, Tailwind CSS, React Native, Expo, Kotlin, Node.js, Hono, OpenAPI, PostgreSQL, Drizzle ORM, Redis, BullMQ, Vitest, Sentry

Software Developer

JankariTech

Feb 2024 – Present

Pokhara, Nepal

Test infrastructure, CI and QA for open-source file-sync platforms: a Go backend, a Vue/TypeScript web client and a Qt desktop client.

- Built test infrastructure, CI and QA for ownCloud Infinite Scale and OpenCloud: 195 merged pull requests across four repositories.
- Reported 56 issues before release, including sharing, sync and crash bugs and about 12 reports on password-protected folders; fixed flaky tests.

OPEN SOURCE

195 merged pull requests, counted on GitHub, October 2026.

- ownCloud Infinite Scale: 74
- ownCloud Web: 70
- OpenCloud Desktop: 48
- S3-WebDAV Proxy: 3 (built it)

Case studies: anon-pradip-pofo.vercel.app

SKILLS

Languages

TypeScript, JavaScript, Go, Python, PHP, SQL, Kotlin, Bash

Backend

Node.js, Hono, REST and OpenAPI, PostgreSQL, Drizzle ORM, Redis, BullMQ

Web & mobile

React, Next.js, TanStack Query, Tailwind CSS, React Native, Expo

Testing

Playwright, Appium, Cucumber, Behat, Squish, unit tests (Vitest), integration (API), end-to-end, cross-browser, regression and accessibility tests, bug reporting, flaky-test debugging

Git, CI & infrastructure

Git, Kubernetes (K3s), Docker, Drone CI, Woodpecker CI, GitHub Actions, Dependabot, AWS S3

Security & integration

Single sign-on (OIDC), LDAP, role-based access control, authentication flows, REST API integration, S3 and WebDAV APIs

LEADERSHIP

Vice Chairman

PU Developers Community

Dec 2020 – Jan 2022 • Pokhara University

Co-founded the student developer community at Pokhara University, ran three coding bootcamps (Git and GitHub, React, MongoDB), set up the Web, Open Source and Ethical Hacking groups and led the web group.

- Set up Kubernetes (K3s) test environments in Drone CI for 10+ API acceptance suites (Spaces, Graph, SharingNG, Core API, WOPI, Collaboration, Previews), replacing Docker so tests match production infrastructure.
- Made the Playwright end-to-end suite, run across Chromium, Firefox and WebKit, fully parallel by replacing shared state across about 90 TypeScript files with a per-worker context store and giving each worker its own test data.
- Rewrote the Cucumber suites in native Playwright, standardised step definitions and combined accessibility checks into one shared assertion.
- Wrote 50+ GUI tests for the Qt desktop sync client: selective sync, virtual files, share permissions, 1000-file and 50 MB syncs, multibyte filenames and Windows-specific cases.
- Helped migrate the desktop GUI suite from Squish to open-source Appium with behave, porting the delete, edit and login/logout suites.
- Built the S3-WebDAV proxy on my own: Docker and rclone serving ownCloud and Nextcloud storage over the S3 API, with per-user sign-in through SigV4-validated requests, anonymous public links, pinned images, secret-safe CI and semver releases.
- Fixed a Go production bug in text-file previews; redesigned the Woodpecker S3 cache-purge pipeline as matrix jobs and removed SonarCloud from nightly runs to cut CI cost.
- Reviewed teammates' pull requests across the ownCloud and OpenCloud repositories.
- Wrote the project's end-to-end testing guide and the Kubernetes test-run docs.

Stack: TypeScript, Python, PHP, Go, Bash, Playwright, Appium, behave, Cucumber, Behat, Squish, Kubernetes, Docker, rclone, Drone CI, Woodpecker CI, GitHub Actions

Junior Frontend Developer

DVORAK

📅 Feb 2023 – Sep 2023

📍 Rastra Bank Chowk, Pokhara

- Built React and React Native UI components in TypeScript, with React Query, Zustand and Tailwind CSS.

Assistant Developer

Code for Change Pokhara

📅 Apr 2022 – Dec 2022

📍 Pokhara, Nepal

- Built the website and mobile app for Team Codera and CFC with React, React Native, Node.js and Firebase.
- Took part in CFC Pokhara's leadership programmes.

EDUCATION

BE in Software Engineering Pokhara University

2018 – 2022 • CGPA 2.89 • Lekhnath, Kaski

Higher Secondary Chhorepatan Secondary School

2016 – 2018 • GPA 3.33 • Pokhara

Secondary (SEE) Vidya Niketan Secondary School

2016 • GPA 3.60 • Birauta, Kaski

LANGUAGES

Nepali (native) • English (fluent) • Hindi (good)