

Dhruv Bhanushali

Team lead, software engineer and open-source maintainer • Dubai, 🇦🇪 / Mumbai, 🇮🇳

✉ hi@dhruvkb.dev 📞 +971 525002046 📠 +91 8171615670 🌐 dhruvkb 📄 dhruvkb 🐦 dhruvkb.dev 📷 dhruvkb_ 📺 dhruvkb

Projects

Openverse

<https://openverse.org>

An open-source search engine for openly-licensed media.

openverse.org

The primary channel to search across 800M+ creative works.

- Migrated the codebase to a monorepo with intricate CI/CD.
- Added privacy-friendly analytics for general usage metrics.
- Created safeguards to prevent sensitive content exposure.
- Evaluated & adopted PDM as the Python package manager.
- Developed the `ov` environment for onboarding new devs.

API

<https://api.openverse.org>

Provides catalogue access to integrations via a RESTful API.

- Refactored to use Django REST framework best practices.
- Generalised to support new media types, such as audio.
- Created pipelines for individual & bulk content moderation.

Infrastructure

Openverse's IaC for AWS, Cloudflare & other services.

- Implemented monitoring with notification and alert workflows.
- Executed software & platform updates for all services.
- Performed periodic upkeep and rotation of resources.

pls

<https://pls.cli.rs>

A prettier and powerful `ls(1)` for the pros.

CLI application

An intuitive & elegant command-line interface.

- Enabled boundless customisation with cascading config files.
- Included niche features for power users, like Git integration.
- Added SVG support in terminal using Kitty graphics protocol.

Récivi

<https://recivi.pages.dev>

A new kind of résumé for computers and humans, in that order.

Schema

<https://recivi.pages.dev/>

A new kind of résumé for computers and humans, in that order.

- Developed the JSON schema and TypeScript interfaces.
- This résumé was made with Récivi as a proof-of-concept!

Website

Contains my homepage, interactive résumé and digital garden.

- Deployed as a static site with an automated CI + CD pipeline.
- Used low-tech frameworks to ship negligible JS to the client.

Other skills

Java (+ Swing, Spring), Kotlin (+ Android), Golang, PHP,

Web (+ HTML, CSS, JS, SVG), Shell (+ Bash, Zsh)

Roles

WordPress

<https://wordpress.org>

The open-source CMS that powers over 40% of the web.

Team lead

Dec-2024 – Present

- Led a globally distributed, remote team of maintainers.
- Conducted regular 1:1s, team meetings, retros and meetups.

Project maintainer (FOSS)

Apr-2021 – Present

- Developed the Openverse media search engine.
- Wrote & reviewed technical implementation plans.
- Added new features with the WordPress FOSS community.
- Onboarded & mentored new open-source contributors.
- Evangelised Openverse at flagship WordCamps in EU & Asia.

BrowserStack

Mumbai, MH, 🇮🇳

<https://browserstack.com>

A cloud platform for testing on real browsers & devices.

Software engineer

Feb-2020 – Mar-2021

- Identified & fixed systemic issues to prevent GDPR breaches.
- Built audit logs to detect & alert for GDPR breaches.
- Integrated multiple providers into a common email system.
- Created system to track & visualise email engagement.
- Implemented SPF, DKIM, DMARC for safety and deliverability.

Creative Commons

Mountain View, CA, 🇺🇸

<https://opensource.creativecommons.org>

Non-profit promoting public domain & openly-licensed media.

Community coordinator (Contract)

Jul-2020 – Dec-2020

- Onboarded & mentored new open-source contributors.
- Maintained the open-source site and automation workflows.
- Increased activity, reach & engagement on Twitter (now X).

Internship mentor (FOSS)

Dec-2019 – Dec-2020

- Onboarded & guided applicants; scored & ranked proposals.
- Mentored *Google Season of Docs* in 2020.
- Mentored *Outreachy* in winter 2019-20 & summer 2020.

GSoC engineer (Internship)

May-2019 – Aug-2019

- Proposed own idea for a design system for CC, Vocabulary.
- Developed Vocabulary in close collaboration with designers.
- Initiated & supported Vocabulary integration with CC sites.

FamPay (now Fam)

Bangalore, KA, 🇮🇳

<https://famapp.in>

A neobank for teenagers to manage their pocket money.

Software engineer (Part-time)

Nov-2019 – Dec-2019

- Developed the end-to-end payment flow for the app.
- Integrated multiple payment gateways to increase reliability.
- Ensured idempotency and transactional integrity in payments.