

Dilip G

SOFTWARE ENGINEER · SOFTWARE DEVELOPER · FULL-STACK DEVELOPER

Bengaluru, Karnataka, India

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Experience

Software Engineer

FOSSUnited Organization

SOLE MAINTAINER OF THE FOSSUNITED PLATFORM, FORKLORE & LICENCE TO LEARN

Aug 2025 - Current

- Sole developer and maintainer of the FOSS United platform (Python/Frappe), the software India's FOSS community runs its events and community programs on.
- Design and refactor DocTypes and Python modules, fix security issues, and manage self-hosted production infrastructure end to end.
- Built and maintain Forklore and Licence to Learn programs page, the community-facing sites shipped alongside the platform.
- Own the full stack: backend APIs, frontend (VueJS/NuxtJS), deployment, and upkeep, as the primary technical contact for FOSS United's software.
- Write monthly technical reports on the complete work at fosstodon.org/blog.

Research Intern

RVCE, Computational Genomics

BUILT PIPELINE TOOLING FOR GENOME ASSEMBLY AND VARIANT ANALYSIS

Jan 2025 - May 2025

- Wrote pipeline tools from scratch rather than relying on existing wrappers, including a variant calling pipeline and a metagenomics AMR spotter.
- Debugged and ran everything myself on Linux: picking the right method, not just the first one that worked.

Projects

jump-pad

 idlip/jump-pad

URL SHORTENER, REDIRECT & PASTEBIN SERVICE, BUILT CROSS-PLATFORM

- Self-hosted service for link shortening and paste sharing, designed and run independently end to end.

CG-Pipelines

 idlip/cg-pipelines

PIPELINE SHELL SCRIPT TOOLS WRITTEN FOR COMPUTATIONAL GENOMICS LAB

- Genome Variant Calling script and Metagenomics AMR spotter pipeline, written and debugged independently.

Skills

Programming

Python, Frappe framework, JavaScript, VueJS, REST APIs, SQL, Bash Scripting, R

Web & Backend

Frappe Framework, REST API design, NuxtJS, NodeJS, Static site tooling (11ty, Zola)

Tools

Linux, Git, CLI, Docker, Nix, Elisp

Soft Skills

Ownership, Debugging, Problem solving, Effective Communication, Self-directed

Spoken Languages

English, Kannada, Telugu, Tamil, Hindi

Education

REVA University

Bengaluru, India

MASTERS OF SCIENCE IN BIOINFORMATICS

August 2023 - June 2025

- CGPA: 9.2
- Learning: Python | Pipeline Building | Algorithms | Linux systems | ML fundamentals.

Bengaluru Central University

BACHELOR OF SCIENCE IN BOTANY, ZOOLOGY & PSYCHOLOGY

- CGPA: 9.34

Bengaluru, India

2019 - 2022