

Harshal Sawant

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Software Engineer with 1+ years professional experience. Explore my open-source projects and libraries on GitHub.

Experience

Software Engineer • Freelance

2024 - Present

- Built backend services in Rust using Actix Web, focused on fast and reliable requests.
- Built REST APIs and backends, handling routing, auth, validation, and errors.
- Used PostgreSQL, Redis, Docker, and CI/CD to keep services stable and easy to maintain.

Open Source Contributor • OWASP Foundation

2025 - 2026

- Migrated the OWASP BLT codebase to uv, making builds and installs faster.
- Refactored Django backend code to make it easier to maintain.
- Reviewed pull requests and helped new contributors follow codebase standards.

Education

Bachelor of Computer Applications · Tilak Maharashtra Vidyapeeth (TMV) · Pune, India · CGPA: 7.5/10

2024 - 2027

Skills

Languages	JavaScript, TypeScript, Python, Rust, Bash
Web Frameworks	Next.js, Django, Actix Web, REST APIs
Infrastructure & DevOps	Linux (NixOS), Git, Docker, CI/CD
Databases & Workflows	PostgreSQL, Redis, Vercel

Projects

Personal Developer Portfolio

 GitHub  Live

- A modern developer portfolio and markdown blog built with Next.js and TypeScript.
- Architected using the Next.js App Router, Tailwind CSS, and custom React components.
- Implemented dynamic routing, automated SEO generation, and GitHub profile integrations.

AndroidTweaker – Magisk Optimization Module

 GitHub

- Built a shell-based Magisk module to optimize kernel and runtime parameters for rooted Android devices.
- Automated CPU governor and memory management tuning to improve performance across diverse custom ROMs.
- Scaled project adoption to 2,000+ active subscribers and earned 60+ stars on GitHub.

CoreTaskOptimizer – Magisk Module & Native Daemon

 GitHub

- Built a C++ Android daemon to optimize background task scheduling for improved responsiveness and battery life.
- Configured Linux cgroups and oom_adj parameters to prioritize resource allocation for foreground processes.
- Automated ARM/x86 cross-architecture builds via CMake and GitHub Actions for reliable hardware deployments.

Spoken Languages

English · Hindi · Marathi

Hackathon & Awards

Open Source Contributor

Holopin: [@c0d3h01](https://github.com/c0d3h01)

Hacktoberfest 2025

October 2025

- Completed Hacktoberfest 2025 with accepted pull requests merged into active open-source projects.
- Delivered production-quality code contributions including bug fixes, feature enhancements, and performance-focused refactors.