

# Siddhant Kumar

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## Skills

**Languages:** Rust, Javascript/TypeScript, C++, Python, Go

**Technologies:** Reactjs, Node.js, Docker, REST APIs, GraphQL, WebAssembly (WASM), Linux, NixOS, AWS

**Databases:** SQLite, PostgreSQL, MongoDB

## Experience

### Software Developer | FifthTry

Remote/India · January 2025 - October 2025

**Tech Stack:** Rust, WASM, Python, SQLite, AWS

- Worked on the **FifthTry Hosting Platform** that currently hosts **600+** websites and has **1.5K+** registered users. The platform supports custom backend logic via WASM modules, static content hosting and SQLite and PostgreSQL databases.
- Contributed to the **FifthTry Editor**, a web based IDE built with CodeMirror and Rust+WASM, enabling real-time preview and editing of fastn projects, becoming the primary tool for fastn developers to write html/css/js and .ftd files.
- Built [malai.sh](#), a p2p developer tool for sharing **local HTTP and TCP servers** securely, powered by [iroh](#); used for live previews and remote collaboration during development.
- Built **pluggable apps** like [lets-talk](#) and [lets-auth](#) for [fastn](#) ecosystem enabling websites to easily embed feature-rich, privacy-preserving functionality with full data ownership. Using Rust and WASM.

### Software Developer Intern | FifthTry

Remote/India · November 2023 - December 2024

**Tech Stack:** Rust, Python, PostgreSQL

- Contributed to the design and implementation of the fastn **app ecosystem**, allowing third-party apps to be mounted, themed, and configured with minimal setup, paving the way for a growing plugin ecosystem for our custom web framework.
- Built a pluggable **subscription app** for managing user subscription data, supporting newsletters and email invites, contributing to online event hosting capabilities for multiple websites.
- Built an [authentication plugin](#) for [fastn](#), used on FifthTry.com, supporting session-based authentication, and paving the way for future OAuth integration.
- Integrated [Nix](#) into the CI pipeline, optimizing the release workflow for [fastn](#) and internal projects, significantly improving build reliability and developer tooling. All FifthTry projects now have a Nix flake reducing the time for **developer onboarding** to a few minutes.

### Open Source Contributor - Google Summer of Code (GSoC) | NixOS Foundation

May 2024 - August 2024

**Tech Stack:** C++

- Contributed to porting **Nix** to Windows by replacing the internal string based **Path** type with C++17's `std::filesystem::path`, enhancing portability and reducing codebase size by leveraging modern C++ standards.

### Software Developer Intern | ONO Suite (Formerly DailyKit)

Remote/India · February 2019 - March 2020

**Tech Stack:** Reactjs, Hasura, Postgresql

- Implemented **UI of e-commerce style apps** and an **inventory app**.
- Developed an **Insights Engine** that automatically generates Google charts and tables based on a GraphQL data source.
- Built MVP of **Anykit** which allows buying meal kits from nearby providers directly on a recipe website.

## Projects

### OG-image-generator ([github.com/siddhantk232/og-image-generator](https://github.com/siddhantk232/og-image-generator))

A CLI application in **Golang** to generate opengraph images for [my blogs](#).

## Education

### Sant Longowal Institute of Engineering and Technology

Bachelor of Engineering (Computer Science and Engineering) | 9+ CGPA | 2022 - 2025