

Md. Touhidur Rahman

Full Stack Developer (Personal projects get **60M+ requests / month**)

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Technologies Used:

Languages (programming): JavaScript, TypeScript, Python3, C, C++, sh, Bash

Languages (Markup): HTML, CSS, BBCode, Markdown, etc.

Frameworks / Tech: NodeJS, ExpressJS, fastifyjs, React, NestJS, NextJS, Redis, MongoDB, PostgreSQL, discord.js, Tauri, Prisma etc.

Cloud Technologies: Heroku, MongoDB Atlas, GCP, AWS, Azure, Cloudflare, Cloudflare Workers, Cloudflare Pages, Cloudflare KV, firebase, Google Cloud, Azure Cloud, CockroachDB etc

Other: Proficient at scripting in various languages like sh, bash, Python3, JavaScript, etc. Also proficient at using continuous integration tools like **GitHub Actions**, **Gitlab CI**, etc.

Experience: 5 months as Part Time Software Engineer @ Possier

Some Major Projects:

1. UncivServer.xyz: The most popular game server for the open-source 4X civilization-building strategy game Unciv. According to Cloudflare Analytics, the server gets **~70k unique** visitors and **60M+ requests, per month**. In addition to supporting the default requirements of Unciv, the offers many additional features like real-time Discord notifications for in-game events, experimental support for Battle Royale games, etc. The server is written in JavaScript with **ExpressJS** but later rewritten in **fastifyjs** and **Redis** for performance. It uses MongoDB, Cloudflare KV, etc. The server used to use Cloudflare Pages and Functions but moved away from it for growing traffic.

2. UncivGames Democracy Bot: A Discord slash command bot. The bot is hosted on Cloudflare Workers and implemented as a **serverless function-based app**. **The bot is written purely in JavaScript** implementing the official **Discord API** directly. It **doesn't rely** on any bot framework like discord.js

3. iplist-youtube: A project that collects the IP addresses that YouTube uses dynamically with cronjobs and CI taking advantage of the **round-robin DNS** system with the intention of eventually detecting all of the IPs that YouTube uses for its services worldwide.

Currently, the project has a list of 13k+ ipv4 and ipv6 addresses.

4. mirrorTouhidurrr: A Web Proxy built with Cloudflare Workers. A privacy project that can be compared with **VPN** or **tor**. The site can display almost any static site's content identically without exposing IP or information to the server. Written in pure JavaScript.

The project won a prize from Cloudflare in their Dev Summer Challenge 2020 at which it was submitted.

Hosted using **Cloudflare Pages** and **Cloudflare Workers**.