

Md. Touhidur Rahman

Full stack developer

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Summary:

As a Full Stack Developer with **personal projects that receive over 60 million requests and ~70k unique visitors per month**, I have extensive experience in multiple programming languages, frameworks, and cloud technologies.

Skills:

- **Programming languages:** JavaScript, TypeScript, Python3, C, C++, sh, Bash
- **Markup languages:** HTML, CSS, BBCode, Markdown
- **Frameworks:** NodeJS, ExpressJS, fastifyjs, React, NestJS, NextJS
- **Databases:** Redis, MongoDB, PostgreSQL
- **Libraries:** discord.js, Tauri, Prisma
- **Cloud technologies:** Heroku, MongoDB Atlas, GCP, AWS, Azure, Cloudflare, Cloudflare Workers, Cloudflare Pages, Cloudflare KV, Firebase, Google Cloud, Azure Cloud, CockroachDB
- **Scripting languages:** sh, Bash, Python3, JavaScript
- **Continuous integration tools:** GitHub Actions, Gitlab CI

Experience

Part-Time Software Engineer at Possier (Oct 2022 - Mar 2023)

- Contributed to development and maintenance of a retail management platform.
- Developed desktop & mobile apps using web technologies
- Improved the platform's performance and scalability.

Personal Projects

- **UncivServer.xyz:** Developed and maintained a popular game server for the open-source 4X civilization-building strategy game Unciv, **which receives 60M+ requests and ~70k unique visitors per month** according to Cloudflare Analytics. The server is written in JavaScript with ExpressJS but later rewritten in fastifyjs and Redis for performance. It uses MongoDB, Cloudflare KV, etc.
- **UncivGames Democracy Bot:** Built a Discord slash command bot hosted on Cloudflare Workers and implemented it 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.
- **iplist-youtube:** Developed 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.
- **mirrorTouhidurrr:** Built a web proxy with Cloudflare Workers **that won a prize from Cloudflare in their Dev Summer Challenge 2020**. The project 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.