

Wares Islam

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Education

Ada. National College for Digital Skills

BSc Digital and Technology Solutions

London, United Kingdom
Oct 2021 - Jun 2024

- Apprenticeship - Software Pathway

Ada. National College for Digital Skills

Computer Science & Physics

London, United Kingdom
Aug 2018 - Jun 2020

- BTEC Level 3 Computer Science & A-Level Physics
- Achievement: UK Bebras Challenge 2019 (Distinction)

Rokeby School

London, United Kingdom
Dec 2013 - Jun 2018

- GCSE Computer Science, Design & Technology, Maths, Italian, Spanish, Physics, Chemistry, Biology, English Literature, English Language.
- Award: Diana Award 2016

Work Experience

59A

Junior Software Engineer

Stuttgart, Germany (Remote)
Sep 2021 - Present

- Mainly working with the data science team on client proposals.
- Working on new apps to possible integrate in our data gathering stack for client proposals. (Scraping & API)

Infinity Supply

Backend Developer

London, United Kingdom
Oct 2020 - Present

- Worked on integrating multiple APIs to the site's backend on Heroku with the use of NodeJS and PostgreSQL.
- Made the load balancing architecture for certain products offered to clients (Optimized routing to different IPs depending on site, status codes and other factors).
- Improved the usage of Heroku Redis & Dynos to reduce operational costs.
- Implemented a daily data tracker for clients and showing to clients via their product page as a graph and current value, and ran an automated alert webhooks for client's product usage info.
- Implement a pipeline for our AWS S3 bucket to update when pushing changes to the Github repo and setup AWS CloudFront to store our static content on edge servers.

SpeedProxies

Owner / Software Developer

London, United Kingdom
Oct 2020 - Present

- Created the dashboard front-end and back-end with PHP and created an automated ordering system for products.
- Converted our landing page from PHP to Nuxt.js for performance and SEO reasons, whilst doing this I have also changed the site from a Public Cloud deployment to a JAMstack one with Cloudflare Pages.
- Setup proxies through Squid to host IPv4 proxies & use HAProxy to make rotating proxies out of IPv6 addresses.
- Create a Reseller API in PHP and use HAProxy as an API Gateway as our layer 7 firewall/load balancer.
- Setup Cloudflare settings to secure our dashboard's login and register endpoints, and use Cloudflare Spectrum to accelerate our TCP connections of users using our bandwidth sharing app to our servers.
- Currently working on our Linux/ Windows/MacOS bandwidth sharing app written in Go.

Projects

- **Proxy Reseller CLI Tool:** CLI tool made for proxy resellers to allow them to meet their residential proxy needs such as creating users, adding bandwidth and many other API functions included. (Python)
- **Cloudflare Worker Web Scraper:** A Node.js web scraper that takes advantage of Cloudflare Workers distributed code execution at low latency to fetch and scrape store sites such as Amazon & eBay. (Node.js)
- **Squid Proxy Config Maker:** Making squid proxies can be very long especially when you have to repeat certain things over and over in the config file, this will automate most of your config making needs and split up your config automatically so Squid is faster at reloading your long config files. (Python)
- **Bandwidth Sharing Platform:** Working on a bandwidth sharing platform where users can share their IPs to clients that may use them for legitimate purposes such as data scraping and we reward them with money from clients. Made a cross-platform app in Go & ElectronJS that allows people to earn money for bytes of data shared, currently working on the backend of the platform to route traffic and etc. (Go)

Additional Info

- **Programming Languages:** Go, JavaScript, Python, PHP, SQL, Dart
- **Libraries & Frameworks:** Node.js, Svelte, Vue.js, Nuxt.js, jQuery, Laravel
- **Software:** Apache, NGINX, Postman, HAProxy, MySQL, PostgreSQL, Composer, Visual Studio Code, Atom
- **Technology & Tools:** Git, Npm, Webpack, Cloudflare, AWS, Ubuntu
- **Values:** Creativity, Curiosity, Collaboration, Rigour