Tarun Singh

Toronto, ON | +1 647 514 0772

Portfolio - tarunsingh.dev | tarun7singh7@gmail.com | github.com/tarun7singh | linkedin.com/in/tarun7singh

SUMMARY

Results-driven Full Stack Web Developer proficient in a diverse technology stack including Angular, Typescript, React, NodeJS, Express, MongoDB, C#, .NET, and Python. Proactive problem solver with a passion for innovation and collaboration. Committed to delivering high-quality code and staying current with industry trends. Strong track record in project coordination and open-source contributions.

WORK EXPERIENCE

Full Stack Web Developer   Jan 2023 – Present

SOTI, Canada - Contract

- Actively participated in scrum meetings, contributed to project planning and ensured coordination team members.
- Collaborated with senior developers to design and implement innovative features for iOS mobicontrol products.
- Decreased enrollment type of iOS devices by adding QR code enrollment functionality
- Technologies - **Angular, Typescript, C#, .NET, GIT, GitHub and MySQL.**

Full Stack Web Developer   Mar 2022 – Present

Neuravue, Canada - Contract

- Provided technical guidance and troubleshooting support for the MVP
- Worked on enhancing a real-time CCTV analytics platform utilizing AI models
- Implemented event notifications to mobile app and web dashboard
- Technologies - **Express, NodeJS, Firebase, Jetson Nano, AI and ML.**

Full Stack Web Developer   May 2022 – May 2023

Basebuild, California, USA

- Developing new features in Typescript, including PDF generation, reusable components, Tree display etc.
- Migrated and fixed bugs for Javascript-based express & NodeJS backend to typescript.
- Improved deployment time from an average of 10 minutes to 2.5 minutes by using automatic and parallel CI/CD.
- Technologies - **NextJS, React, NodeJS, Typescript, Express, MongoDB, GIT, GitHub, app engine and MySQL.**

Full Stack Web Developer   Aug 2020 – Aug 2021

Kisan Network, New Delhi, India

- Decreased response time by 2 seconds for invoice generation & scraping by decoupling it and moving to serverless functions; also decreased peak ram consumption by 2 GB per service.
- Implemented Zero downtime deployments using GitHub action and google app engine.
- Technologies - **React, Redux, NodeJS, GIT, GitHub, GitHub actions, app engine, and MySQL.**

Software Engineer   Dec 2018 – Dec 2019

Dockendale Ship Management

- Worked on creating daily reports based on current status and performance of various components.
- Worked on google chrome extension to make manual data entry easier.
- Technologies - **HTML, CSS, JavaScript, GIT, GitHub and MySQL.**

OPEN SOURCE CONTRIBUTIONS

Uptime Kuma - TypeScript, JavaScript, Vue, C#, SCSS, HTML
- Added MQTT Monitor type https://github.com/louislam/uptime-kuma/pull/875
- Adds ClickSendSMS notification provider https://github.com/louislam/uptime-kuma/pull/798
- Added fix to remove children when type changed https://github.com/louislam/uptime-kuma/pull/3311

Shields - JavaScript, CSS, HTML
- [Netlify] Added changes to use a new color schema. https://github.com/badges/shields/pull/6340
- [Youtube] Added channel view count and subscriber count badges https://github.com/badges/shields/pull/6333

FreeCodeCamp - TypeScript, JavaScript, CSS, HTML
- Squashed Disable an element using Jquery. https://github.com/freeCodeCamp/freeCodeCamp/pull/16578
- Changed protocol relative URLs to HTTPS URLs. https://github.com/freeCodeCamp/freeCodeCamp/pull/16573

TECHNICAL SKILLS

Languages - JavaScript**,** TypeScript, Express, React, NextJS, NodeJS, Python**,** Flask, Django, C#, Java, and .NET

API Integration - Slack, Stripe, Discord, OpenWeather, Google maps and Twitter

Databases - PostgreSQL, MySQL, MongoDB, Prisma & Mongoose

Tools - Web Scraping, Git, GitHub, GitHub Actions, AWS, Google Cloud, Digital Ocean, Arduino & Raspberry Pi

Certifications - Back End Development; APIs and Microservices; JavaScript Algorithms and Data Structures

EDUCATION

Lambton College | Computer Software and Database Development   **GPA: 3.6**   Sep 2021 - April 2023

Courses: Python, SQL, .NET, and Java web applications, Data structure and algorithms, and Database Development.

Indian Maritime University | Bachelor of Technology (B.Tech.)   Aug 2014 - May 2018

- Programmed website for the college fest from Scratch, hosted on AWS and handled around 20,000 hits in 1 month.
- Designed and created a web-controlled model of a surveillance boat which used Raspberry pi and custom circuits & coded in python.

PERSONAL PROJECTS

Monitoring and Scraping API - github.com/tarun7singh/website-api

- Architected and deployed an advanced Express and Node.js-based API for monitoring and scraping data from third-party websites, employing the powerful Puppeteer library.
- Successfully implemented robust scraping techniques to parse and extract data from websites, overcoming challenges such as captcha and robot prevention scripts.
- Designed the API to present scraped data in a user-friendly and convenient format, facilitating easy access and utilization of the extracted information.
- Tools used – **TypeScript, NodeJS, Express, Axios, Puppeteer, GitHub Actions and Virtual Machine**

Alexa Skill - Coiner Bot - github.com/tarun7singh/Alexa-Coiner-Bot-Skill

- Designed and developed interactive Alexa skill available on the Amazon Store, allowing users to enable and utilize its functionality seamlessly.
- Implemented a robust and scalable API using Python and Flask web server deployed on AWS Lambda, enabling efficient communication and seamless integration with Alexa devices.
- Ensured a user-friendly experience by implementing intuitive voice commands and response handling, enhancing the overall usability and accessibility of the Coiner Bot skill.
- Tools used – **Python, Flask, Requests, Alexa and AWS Lambda**

Visa Appointment Booking Automation - github.com/tarun7singh/visa-appointment-checker

- Implemented and deployed an automated visa appointment checker leveraging advanced web scraping techniques to extract real-time data from the official US visa appointment website.
- Monitored the website continuously and promptly alerted users upon detecting earlier available time slots, increasing the likelihood of securing more convenient visa appointments.
- Developed an intelligent booking system that automatically completed the necessary forms, selected optimal time slots, and submitted booking requests, streamlining the appointment booking process for users.
- Tools used – **TypeScript, NodeJS, Express, Axios, Puppeteer and Github Actions**