

Tarun Singh

Toronto, ON | Full Stack Web Developer | +1 647 514 0772

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EDUCATION

Lambton College | Computer Software and Database Development

Sep 2021 - Present

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.

TECHNICAL SKILLS

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

API Integration - Slack, 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

WORK EXPERIENCE

Software Engineer

Jan 2023 – Present

SOTI, Canada

- 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.
- Successfully expanded the functionality of Angular and Typescript based frontend.
- Technologies - **Angular, Typescript, C#, .NET, GIT, Github and MySQL.**

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 deployment.
- 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.**

PERSONAL PROJECTS

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

- Deployed and architected express, Nodejs and puppeteer. API parses and scrapes data on third-party websites while defeating captcha and robot prevention scripts and presenting them in a convenient form.
- Tools: **TypeScript, NodeJS, Express, Axios, Puppeteer, GitHub Actions, Virtual Machine.**

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

- Created an Alexa skill that is live on the amazon store and can be enabled by any user.
- Developed an API in AWS Lambda using python language and flask web server.
- Tools used – **Python, Flask, Requests, Alexa and AWS Lambda**