

Tarun Singh

Full Stack Developer | NodeJS | ReactJS | Typescript | MySQL | MongoDB | Golang
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[TarunSingh.dev](https://tarunsingh.dev)

Work Experience

Full Stack Web Developer

Kisan Network [Link](#)

August 2020 – August 2021

Working on the front end as well as backend. Handled making new features for the growing web app, created a backend for the android app, and Optimised web app for better performance.

Technologies Working on - **ReactJS, Express, Redux, NodeJS, TypeScript, and MySQL.**

Junior Engineer

Dockendale Ship Management Pvt. Ltd.

December 2018 – December 2019

Worked onboard 35000-ton bulk carrier ship, with experience ranging from generator full overhaul to maintenance and monitoring of the main engine, starting and stopping various machinery, offloading, and loading a generator. Troubleshooting various machinery.

Skills

- JavaScript/TypeScript – Express, ReactJS, NodeJS, Puppeteer, HTML, CSS
- Database - MySQL, MongoDB, SQL
- Cloud - Google Cloud, Cloud Functions, App Engine, CI/CD, Github Actions, CircleCI
- Web Scraping, Git, AWS, GCloud, Digital Ocean, Docker, Arduino & Raspberry Pi

Education

Lambton College, Toronto

COMPUTER SOFTWARE AND DATABASE DEVELOPMENT

Sep 2021 - May 2023

Indian Maritime University, Mumbai

BACHELOR OF TECHNOLOGY IN MARINE ENGINEERING

Aug 2014 - May 2018

Completed my degree in Marine Engineering - it's a hybrid of mechanical engineering and electrical engineering. Created Website for the college fest from Scratch, served it on AWS. It saw around 20,000 hits in 1 month. Also created a web-controlled model of surveillance boat which used Raspberry pi, custom circuits & coded in python.

Presented paper on Big Data analytics in the Shipping industry.

Certifications

Free Code Camp Organization

APIs and Microservices

Oct 2020 - Nov 2020 - [Certificate](#)

APIs and Microservices certificate represents work on creating APIs with database integration to and serving these APIs also handle Authentication, Authorization, and rate-limiting securely and

quickly. This certification also represents work and understanding of microservice architecture and their intercommunication.

Free Code Camp Organization

JavaScript Algorithms and Data Structures

Dec 2019 - Jan 2020 - [Certificate](#)

JavaScript Algorithms and Data Structures certification represents approximately 300 hours of coursework, including working in JavaScript Language coding complex algorithms and working with various data structures.

Free Code Camp Organization

Front End Certification

Oct 2017 - Jan 2018 - [Certificate](#)

Front End Developer certification represents approximately 400 hours of coursework including working on Front End Technologies including HTML, CSS, JavaScript, and ReactJS.

Google Cloud

Google Cloud: Core Infrastructure

May 2020 - [Certificate](#)

I learned important concepts and terminology for working with Google Cloud Platform (GCP) in this course. While also learning about, and comparing, many of the computing and storage services available in Google Cloud Platform, including Google App Engine, Google Compute Engine, Google Kubernetes Engine, Google Cloud Storage, Google Cloud SQL, and BigQuery. While learning also deployed and did practical tests of how to implement.

Projects

Monitoring and Scraping API -

github.com/tarun7singh/website-api

- This API serves multiple roles such as my scrapping needs, tracking current packages, monitors CRS draws, Generate images for posting on social media.
- Tools used – TypeScript, NodeJS, Express, Axios, Puppeteer, Github Actions, Virtual Machine

Image Generation Application

tarunsingh.dev/image-generator

- Designed and developed an application that scraps inspirational quotes from a bunch of websites, writes it over a background image, and generates a final image for posting over social media.
- Tools used – Python, Flask, Pillow, Beautiful Soup

URL shortener

sner.herokuapp.com

- Designed and developed a web application that takes a URL from the user and returns a shortened URL that can be used all over the web.
- Tools used – Nodejs, Express, MongoDB, HTML, CSS

Better weather

the-better-weather.herokuapp.com

- Created weather finding app which collects data from three separate sources to show you forecasts and give you more data about the weather ahead, so you can make an informed decision.
- Tools used – React, Postman, JavaScript, Heroku, API