

Yudhvir Singh

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Canada

About Me

Full stack professional with 8 years of experience and a passion to learn

Skills

- SOLID coding principles
- System Design
- Data Structures & Algorithms
- AWS
- Cloudflare
- Serverless, S3, Lambda, DynamoDB
- TypeScript
- Node
- React
- React Native
- Nextjs
- Vim

Experience

Beactive – *Founder*

01/2023 – Present

- Implemented a **production-ready** sports booking platform used by >1,000 MAUs
- Implemented an API-less layer through the user of full stack framework **NextJS (App Router)**
- Implemented **SST Auth** with OTP-based adapters
- Implemented **Stripe Connect** to allow payment-flow from end users to sports venue owners
- Tech stack used – S3, DynamoDB, NextJS, React, Lambda, SNS, SES, and more

Scotiabank – *Full Stack Developer*

04/2023 – Present

- Worked on the **React** front-end and NodeJS API-layer for several Scotia international websites
- Helped remove several API microservices in favor of **Remix** loaders/actions
- Designed form-based flows with a preference for standard Web APIs, and validations with **Zod**

HSBC Bank – *Software Developer*

04/2021 – 04/2023

- Worked on the **UI** of various HSBC customer-facing websites
- Worked on a transition to **GraphQL** using **AppSync** and **Amplify**
- Managed RESTful APIs with **NodeJS** and **AWS Lambda**
- Wrote and contributed to **React component libraries** used by all HSBC client-facing apps
- Designed various form-based apps using **Yup** and **Formik**
- Followed test-driven development using **Jest**

Ford Motor Company – *Software Engineer*

04/2019 – 04/2021

- Worked in the performance team to improve the runtime and boot up performance of Ford's infotainment solution
- **Optimized bundle size, reduced boilerplate**, implemented **custom state-management** to replace Redux
- Reduced several workflows to **O(1)/O(n) computational complexity** to improve runtime speed
- Helped build the client API to handle **several hundred** data points per second without render-blocking
- Developed UI for the front-end of Ford's new infotainment system called Menlo using **React, Webpack, and Babel**
- As part of the performance team, helped reduce the bundle footprint by **~30%**
- Optimized code-delivery to reduce the time to FCP (First Contentful Paint) by **~16%**
- Handled the Chrome Dev Tools' **Performance Profiling** of the project
- Created **custom webpack plugins** to handle Flow types across Ford's mono-repository
- Coordinated several refactoring efforts across teams to achieve afore-mentioned performance metrics
- Tech Stack - React, Redux, Redux-Saga, Webpack, Rollup, Protobuf, Mqtt/WebSockets

Hanatech Inc. – *Full Stack Developer*

05/2018 – 12/2018

- Wrote the front-end logic of Hanatech's IoT dashboard product with **Bootstrap, Chart.js** and **React**
- Wrote the back end for Hanatech's SaaS applications with **Node.js (ES6)** and deployment with **Docker**
- Designed **MySQL schema** and wrote services to store and retrieve user data in the back end
- Used various AWS services - like **S3** for static app data, **Lambda** for APIs, **SNS**, etc.
- Used **GitLab** for version control, issue tracking, documentation and code reviewing
- Developed a Computer Vision application to track cars on intersections using **Python** and **OpenCV**

Deloitte – *Back End Developer*

07/2016 – 07-2017

- Worked on **AWS RDS** for scalable relational databases and **ElastiCache** for faster data retrieval
- Created several **AWS EC2** instances to serve as PoCs for a modern take on legacy applications
- Used **React-Router** to develop **Single Page Applications (SPA)**
- Worked with **Fortune 500 clients** from major industries, like - **airlines, shipping, finance, technology**, etc.
- Used **Bitbucket** for documentation, code reviewing, and **Jira** for tracking issues, feature requests, etc.

Education

Saint Mary's University - *MSc, Computing and Data Analytics*

01/2018-04/2019

Panjab University - *B.E., Computer Science*

2012-2016

Accomplishments

- Lead the runners up team from Panjab University at **National Entrepreneurship Competition**, IIT Bombay, 2016
- Scored an **8.5/9.0 band** in the International English Language Testing System (IELTS)