

# Setu Potnis

✉ spotnis@uwaterloo.ca ☎ 647-408-3032 📧 setupotnis.ca in /setupotnis 🌐 /setupotnis

## SKILLS

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**Languages** (JavaScript, TypeScript, SQL, Java, Python, C/C++, HTML, SCSS, CSS, GraphQL, Dart, Matlab)

**Libraries / Frameworks** (React.js, Vue.js, Angular.js, Express.js, Node.js, Karma, Jest, Redux, Flask, Material UI, JQuery)

**Tools** (Git, AWS, Azure, Snowflake, Metabase, Datadog, Postman, Terraform, Firebase, Google Cloud Platform, Salesforce, Flutter)

## PROFESSIONAL EXPERIENCE

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**Deliverr & Shopify Logistics**, Backend Software Engineer Intern

May 2022 – Aug 2022

- Increased speed for reimbursing merchants by **300%** by creating REST endpoints with Node.js and TypeScript to automate the process
- Elevated lost package detection by **44%** by creating an AWS lambda that periodically queries Snowflake through REST endpoints
- Raised error detection rate by **36%** by creating monitors in Datadog which alert on high latency and 500 level errors
- Boosted merchant satisfaction by creating components in React.js with **100%** test coverage so sellers have full clarity about their packages
- Created well-scoped out tickets and delegated work to other engineers on the team to ensure a successful rollout of various features

**Nuvalence**, Software Engineer

Jan 2022 – Apr 2022

- Increased usability of a component library by creating **12** new frontend features with React.js, Vue.js and Angular.js in TypeScript
- Enhanced user satisfaction by fixing **23** frontend bugs in React.js and Vue.js which were reported by users
- Escalated reliability of components by increasing test coverage to **100%** with Karma and Jest for new and previously created components
- Created architecture documentation for cross browser development and accessibility standards when developing a component library

**National Research Council**, Web Application Developer

May 2021 – Aug 2021

- Boosted operation speed by **14%** by improving microservices infrastructure by using object-oriented design principles
- Created **9** frontend features with JQuery and D3.js, allowing data to be presented and viewed on different graphs
- Fixed **14** back-end bugs with Java, improving request speed by **12%** while maintaining full functionality

**Manulife**, Salesforce Software Engineer

Jan 2021 – Apr 2021

- Reduced costs by **70%** by using Azure Data Factory and Salesforce connectors to create audit reports for the team
- Cut service costs by **\$30,000/annum** by constructing infrastructure for microservices in Azure through Terraform
- Increased GraphQL request speed by **8%** by creating a microservices library in TypeScript and testing with Jest
- Developed product roadmaps using both the Scrum and Agile methodologies

**Box Labs**, Software Developer

Sep 2020 – Dec 2020

- Raised user retention by **23%** by improving product aesthetic and UX of online services with React.js and Express.js
- Wrote test cases with Jest to assess for scalability in TypeScript, minimizing the impact of bugs on UX and UI
- Increased the number of large scale features from **10 to 25** by converting markups to functional UI with React.js

**National Research Council**, Web Application Developer

Jan 2020 – Aug 2020

- Decreased energy expenses by **20%** by creating visualizations and ML tools for energy statistics in JavaScript and D3.js
- Increased scalability and transfer speed by **150 ms/MB** by refactoring algorithms in Javascript
- Identified and recommended **6** new web features in conjunction with business clients and project managers
- Enhanced request speed by improving and testing already present algorithms in Java and JavaScript

**Tejo**, Software Developer

May 2019 – Aug 2019

- Reduced runtime errors by **40%** and improved scalability by adding optimizations for REST requests in JavaScript
- Created a Shopify app with React.js and Express.js to allow other cosmetic stores to gain targeted sales

## CERTIFICATES

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**Udemy** 

Mastery of Data Structures and Algorithms

**App Brewery**

The Full Flutter Development Bootcamp

**Linkedin Skill Quizzes** 

JS, Python, Java, C++, OOP, CSS, HTML

## EDUCATION

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**University of Waterloo**,

2018 – 2023

Bachelor of Applied Science, Nanotechnology Engineering

Relevant Courses: Computer Networks, Data Structures and Algorithms