

# Nilkumar Patel

<https://github.com/nsptel>  
<https://linkedin.com/in/nsptel>

(807)358-1781  
[nilkumarpatel48@gmail.com](mailto:nilkumarpatel48@gmail.com)  
Toronto, ON

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## SOFTWARE ENGINEER

An enthusiastic, accomplished, and self-motivated individual with great software engineering and web development skills, strong understanding in working of any modern software architecture, and deep interest in new IT developments. Has exceptional interpersonal, analytical, and problem-solving skills, with a positive and adaptive attitude. Key skills include, but not limited to:

Software Development & Implementation | Project Management | Research  
Communication | Debugging | Testing | Reporting & Analysis | Critical & Logical Thinking  
Problem Solving | Creative Mindset | Teamwork

## EXPERIENCE

**FreshBooks, Toronto, ON**  
**Software Engineer**

**November 2021 - March 2023**

Worked with a team of 6 Software Engineers, a Product Manager and a Designer, to improve and maintain an existing accounting software's customer-centric UI, and to contribute to the development of a new organizational translation service.

- Developed a language translation service by following hexagonal architecture resulting in a central repository that utilized the company's budget where tools such as Google Cloud PubSub and CloudSQL are used
- Led an initiative for performance optimization which resulted in JS bundle size reduction of over 18%, and faster First Contentful Paint times
- Worked on a large codebase with a front-end team to deliver exceptional UI/UX using technologies like EmberJS, Sass
- Participated in testing using various tools like PyTest, QUnit, Cucumber, etc.
- Made CI/CD pipelines using Jenkins that ensured best workflow, continuous deployment and concentrated on exhaustive testing, all connected with Kubernetes
- Helped in analytics and created alerts using monitoring tools such as Datadog, which reduced the organization's incident report times and thus, provided 99.98% uptime on average every quarter.
- Managed to make the web application more accessible (91% compliance in Level Access audit) and made internationalization easier to implement through an external service
- Was responsible for maintaining the codebase and third-party libraries by adhering to latest industry standards
- Helped interns get on board and provided support for starting their journey

## TECHNICAL SKILLS

- **Core:** Python, JavaScript, Java (J2EE), C, C++
- **Web:** Node, React, Express, Ember, Next, Flask, PHP, TypeScript, Tailwind, Sass
- **Mobile:** React Native, Android, iOS

- **Databases:** MySQL, MongoDB, Firebase
- **Tools:** Git, Docker, Jenkins, Datadog, Jira

## PROJECTS

### **Cricketable (React Native, Firebase)** [Github](#)

**May 2021 – Aug 2021 (Confederation College)**

Developed a mobile application that works on Android and iOS using React Native Framework. This application is used for connecting people, setting up groups and organizing events for people who share interest in the game of Cricket.

### **SQL Query Executor for Excel Sheets (Python, MySQL)** [Github](#)

**July 2018 – April 2019 (GEC - Gandhinagar)**

Crafted a Windows desktop application using Python (TKinter, ExcelRD) which had great user experience and flow. This tool was used for executing SQL selection queries on Excel spreadsheets and making the data extraction process easy and efficient.

## EDUCATION

### **Post Graduate Diploma - Confederation College, 2021**

Major: Information Communication Technology for Small Businesses | GPA: 4.0

Skills Learned: Full Stack Web Development, Mobile Application Development, Communication Skills

### **Bachelor of Engineering - Gujarat Technological University, 2019**

Major: Computer Engineering | GPA: 4.0 (CGPA: 8.48)

Skills Learned: Data Structures and Algorithms, Computer Programming, Object-Oriented Programming

## AWARDS AND CERTIFICATIONS

- Received scholarship grant from Confederation College for persistent studies and regular involvement in extracurricular activities (Jan 2021).
- Ranked first out of 42 candidates in Web Weaver, a zonal web development competition organized by Gujarat Technological University (Sept 2018).
- Achieved LinkedIn Learning Certifications for MongoDB Essentials, Artificial Intelligence Fundamentals, Full Stack Development, etc.