

Nilkumar Patel

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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

SimplifyVMS, Toronto, ON **Python Full Stack Engineer**

June 2023 - Present

My experience includes developing and maintaining a multi-tenant web application backed by microservices on AWS, collaborating with cross-functional teams, and actively contributing to code quality and deployment optimizations.

- Contributing to the development of a robust, multi-tenant SaaS using Django Rest Framework, ensuring scalability, security, and optimal performance for a diverse client base.
- Demonstrating proficiency in Angular to create dynamic and responsive user interfaces, enhancing the overall user experience and interface design of the web application.
- Utilizing Docker containers to package and deploy microservices, streamlining the application's architecture and improving scalability and resource utilization.
- Assisting in onboarding new team members, providing mentorship and guidance, and facilitating their integration into the development process and team dynamics.

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.
- 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.

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.