

# Nilkumar Patel

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## Skills

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- JavaScript | Python | Ruby on Rails | Django | Angular | Git | React | React Native | Java (J2EE) | Ember | Next
- AWS | Google Cloud | CI/CD | Jenkins | Docker | Cucumber | MySQL | NoSQL | Firebase | MongoDB | OOP
- Microservices | Frontend | Backend | Full-Stack

## Experience

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**Full Stack Developer**  
(React, Django, PostgreSQL, Azure)

**HealthPRO Canada**    Oakville, ON, Canada    08/2024 - Present

Led full stack development using **Django REST Framework**, **React**, and **Ruby on Rails** to rebuild a legacy healthcare contract management system as a modern web application.

- Designed normalized **PostgreSQL** schemas and performed ETL to migrate and clean large volumes of legacy data.
- Using tools like **Hotwire Turbo / ReactJS** to make a reactive frontend for a part of the web application.
- Built reactive, high-performance UI components with **React** and **Hotwire Turbo**, improving usability and responsiveness.
- Created interactive dashboards with **ChartJS** to visualize product, supply chain, and contract data for client decision-making.
- Deployed and managed parts of the application on **Azure**, contributing to infrastructure planning and environment configuration.

**Full Stack Engineer**  
(Angular, Django, MySQL, AWS)

**SimplifyVMS**    Toronto, ON, Canada    06/2023 - 06/2024

Worked with a cross-functional team using emerging technologies and following best practices to deliver a VMS SaaS used by large enterprises.

- Developed reliable core **restful APIs** while maintaining security and performance of the overall backend architecture.
- Optimized **database schemas**, queries, and data models for efficient storage, retrieval, and manipulation of information.
- Designed a better UI by following industry and organizational standards, and efficiently **improving user experience**.
- Understood a **multi-tenant** vendor management system to tackle data related risks and participating in regular meetings to stay informed about client feedback.
- Troubleshooted and resolved software defects, **performance bottlenecks**, and technical issues, ensuring timely resolution to minimize disruptions in system functionality.

**Software Engineer**  
(EmberJS, Flask, GCP)

**FreshBooks**    Toronto, ON, Canada    11/2021 - 03/2023

Collaborated with a team of six 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.

- Led an initiative for **performance optimization** which resulted in front-end bundle size reduction of over 18%, and faster FCP times.

- Developed a language translation service by following **hexagonal architecture** where tools such as **Google Cloud PubSub** and **CloudSQL** were used.
- Helped in analytics and created alerts using monitoring tools such as **Datadog**, which resulted in **99.98% uptime** on an average.
- Managed to make the web application **91% compliant** in Level Access audit and made internationalization easier to implement through an internal **microservice**.

## Education

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### Post Graduate Diploma

Confederation College

Thunder Bay, ON 01/2020 - 08/2021

- Major in ICT Solutions

### Bachelor of Science

Gujarat Tech. University

Gandhinagar, India 08/2015 - 05/2019

- Major in Computer Engineering

## Projects

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- **Cricketable**: Cross-platform application made using **React Native** and **Firebase** that helps people with similar interests connect. **(08/2021)**
- **SQL Executor for Excel**: Windows desktop application made with **Python** and **TKinter** that can execute SQL Queries on Excel spreadsheets. **(04/2019)**

## Awards

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- **Grant**: Received scholarship from Confederation College for persistent studies and involvement in extracurricular activities. **(01/2021)**
- **First Prize**: Won Web Weaver, a web development (**HTML, CSS, JS**) competition organized by Gujarat Technological University. **(09/2018)**