

## Contact

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## Top Skills

Back-End Web Development  
Redux.js  
Python (Programming Language)

## Certifications

React - The Complete Guide 2024  
(incl. Next.js, Redux)  
REST APIs with Flask and Python in 2024  
Build a Backend REST API with Python & Django - Advanced

# Nirajan karki

Senior Python Developer | Full Stack Engineer  
Kathmandu, Bāgmatī, Nepal

## Summary

As an experienced Backend Developer, I provide services that include the development of scalable Python backend systems and RESTful APIs, designing efficient PostgreSQL schemas and optimizing MongoDB databases, and creating user interfaces with React and Next.js for engaging web applications. I also integrate OpenAI for chatbots and develop NLP features to enhance user interactions, deploy applications on the cloud with secure authentication protocols, and conduct code reviews while delivering tailored solutions for various clients.

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## Experience

### Upwork

Senior Python/Django Developer  
November 2021 - Present (3 years 7 months)  
Nepal

- Developed scalable backend APIs using Python (Django, DRF).
- Led the architectural design of robust full-stack applications.
- Designed and implemented efficient database schemas with PostgreSQL.
- Built RESTful APIs for seamless frontend (React, Next.js) integration.
- Developed high-performance applications leveraging FastAPI and Flask.
- Led database optimization efforts for improved query performance (MongoDB).
- Designed user-friendly interfaces with React and Next.js frameworks.
- Built intelligent chatbots and search engines using OpenAI.
- Developed NLP-powered features with LangChain for enhanced functionality.
- Led the integration of Retrieval-Augmented Generation (RAG) systems.
- Designed and maintained secure authentication and authorization systems.
- Built and deployed applications on various cloud platforms.
- Developed unit and integration tests to ensure code quality.
- Led code reviews to maintain maintainability and best practices.
- Delivered successful software solutions for over 80+ clients.

## Pathway Technologies

### Python Developer

September 2019 - October 2020 (1 year 2 months)

Kathmandu, Bāgmatī, Nepal

- Developed scalable backend APIs utilizing Python (Django, DRF).
- Oversaw the architectural framework for effective full-stack solutions.
- Created and implemented optimized database schemas using PostgreSQL.
- Constructed RESTful APIs to ensure smooth integration with frontend (Vue.js, Nuxt.js).
- Engineered high-performance applications through FastAPI and Flask.
- Directed optimization initiatives for databases to enhance query efficiency (MongoDB).
- Crafted intuitive user interfaces leveraging Vue.js and Nuxt.js frameworks.
- Designed and managed secure systems for authentication and authorization.
- Deployed applications across diverse cloud environments.
- Created unit and integration tests to maintain high code quality.
- Led code review processes to uphold maintainability and coding standards.

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## Education

Tribhuvan University, IOE, Western Regional Campus

Bachelor of Engineering - BE, Electronics and Communications

Engineering · (October 2016 - December 2021)