

NIRU BHANDARI

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SUMMARY

Full Stack Developer with 4+ years of experience building scalable web applications using React, Next.js, Node.js, and TypeScript. Experienced in designing and developing RESTful APIs, responsive frontend interfaces, and cloud-based backend systems deployed on AWS. Strong understanding of the full software development lifecycle, including system design, CI/CD pipelines, and Agile practices. Passionate about building performant, maintainable, and user-focused applications with clean and reusable code.

EXPERIENCE

Freelancer

11/2025 – Present

- Built and integrated AI-powered features using OpenAI API and Google Gemini, enabling intelligent, context-aware responses in web applications.
- Developed AI-driven chat and automation systems by combining LLM APIs (OpenAI GPT models and Gemini) with Node.js backend services.
- Designed prompt engineering strategies to improve response accuracy, relevance, and user interaction quality across AI-based features.
- Implemented backend workflows to route and process AI requests efficiently using REST APIs and server-side logic.
- Built scalable frontend interfaces in React/Next.js to support real-time AI interactions and dynamic content generation.
- Worked with multiple AI models (OpenAI + Gemini) to compare outputs and optimize performance based on use-case requirements.
- Integrated AI services into production-ready applications, focusing on reliability, latency optimization, and cost efficiency.

Tekkon, FullStack Developer

02/2024 – 04/2025

- Worked as a Full Stack Developer on a research-based project involving frontend and backend development of a messaging-style application with AI-powered response generation using OpenAI API.
- Developed and maintained frontend interfaces using React and Next.js to simulate real-time chat interactions and display AI-generated responses.
- Built backend services using Node.js (Express) to handle message processing, API communication, and integration with OpenAI for generating contextual responses.
- Integrated OpenAI API to analyze user messages and generate dynamic AI-based replies based on prompt engineering and input context.
- Designed end-to-end message flow between frontend, backend, and AI service, ensuring smooth real-time communication and response handling.
- Handled edge cases such as empty inputs, invalid messages, and inconsistent response outputs to improve system reliability and user experience.
- Collaborated in an Agile team environment working across frontend and backend components, participating in feature development, debugging, and API integration tasks.

WesionaryTeam, Software Developer

02/2021 – 01/2024

- Developed and maintained multiple web applications including a collaborative workspace platform, job-hunting system, and corporate websites, primarily focusing on frontend development using React.js and Next.js with backend API integration.
- Built responsive and reusable UI components using React.js, JavaScript, and TypeScript, ensuring scalable and maintainable frontend architecture across different projects.
- Integrated RESTful APIs developed in Golang backend services to enable seamless data flow between frontend and backend systems.
- Improved application performance using code-splitting, lazy loading, and optimized API requests, resulting in faster load times and better user experience.
- Worked on full-stack feature implementation by supporting backend API integration, data handling, and business logic consumption in frontend applications.
- Ensured cross-browser compatibility and accessibility compliance (WCAG standards) across applications to improve usability and accessibility.
- Collaborated in Agile/Scrum teams, participating in sprint planning, code reviews, and iterative development cycles for multiple concurrent projects.
- Contributed to UI development for diverse domains including internal enterprise tools, job portal platforms, and corporate websites.

EDUCATION

Bachelor of Computer Engineering, Tribhuvan University

2016 – 2021

Successfully completed Bachelor's degree in Computer Engineering.

SKILLS

Frontend

React, JavaScript (ES6+), TypeScript, HTML5, CSS3, NextJS

Tools

Git, GitHub, Jira, Postman

Backend

Node.js, Express.js, REST API

Other

Agile/Scrum, Microservices architecture

Databases

MongoDB, PostgreSQL, MySQL

Cloud & DevOps

AWS (EC2, S3, Lambda), Docker, CI/CD pipelines

PROJECT

Resume Builder Application

- Developed a full-stack Resume Builder web application using React, Next.js, and Node.js with real-time preview and dynamic resume creation features.
- Integrated Google Gemini API to extract and structure uploaded resume data into organized sections automatically.
- Implemented AI-powered professional summary generation, improving resume quality and making content more impactful and ATS-friendly.
- Built reusable and customizable resume templates with support for structured sections like experience, education, skills, and projects.
- Added PDF export functionality along with RESTful APIs for seamless frontend-backend communication and production-ready resume generation.