

Sachin Bhusal

+977 9840969269
sachinbhusal.com.np

sachinbhusal.dev@gmail.com
github.com/bhusalSachin

Education

IOE, Pulchowk Campus

Bachelor of Electronics, Communication and Information Engineering

April 2024

Pulchowk, Lalitpur-03, Nepal

Gurukul (Siddhartha + Chiscol) and A level College

+2 Science

May 2019

Bharatpur-09, Chitwan, Nepal

Experience

Dolpha

Mar 2021 – July 2024

Full Stack Developer

- Contributed to the development of Web3 and web-based platforms, supporting scalable architecture and feature implementation.
- Worked closely with senior developers and backend engineers to build responsive and user-friendly interfaces.
- Implemented UI components using modern frameworks and ensured smooth integration with backend APIs.
- Assisted in configuring cloud services and managing databases to support application performance and reliability.
- Developed Python-based backend services to power desktop applications with local data handling and processing.
- Participated in code reviews and internal knowledge-sharing sessions to continuously improve coding standards.
- Supported the testing process by writing unit tests and helping maintain CI/CD pipelines.
- Improved application performance through frontend optimization techniques like code splitting and efficient data rendering.
- Explored and suggested new tools or frameworks to streamline development workflows.
- Collaborated with product and design teams to understand requirements and contributed to project planning.
- Built and integrated APIs, including third-party services such as payment gateways and blockchain modules, under guidance.

Freelance

Aug 2024 – Present

Full Stack Developer

- Provide end-to-end web and backend desktop application development services for diverse clients across industries.
- Design and implement scalable solutions using modern tech stacks including React/Next.js, Node.js, and cloud infrastructure.
- Develop backend services and APIs using Python and FastAPI, ensuring performance, maintainability, and security.
- Build and deploy AI-powered applications leveraging LangChain, LangGraph, and LangServe for workflow orchestration and language model integration.

- Develop backend logic for desktop applications in Python, handling data processing, file I/O, and local storage integration.
- Deliver database optimization and server administration services for high-traffic applications.
- Collaborate directly with clients to translate business requirements into technical specifications and deliverables.
- Manage complete project lifecycles independently, from initial consultation to deployment and maintenance.

Key Projects

PayRate.fyi - Salary Transparency Platform | *Next.js, Firebase Firestore, Node.js/Express.js, AWS*

- Contributed to the architecture and feature design of a salary transparency platform for tech professionals.
- Developed key features to facilitate easy tracking and management of salary data using Firebase Firestore for real-time data management.
- Collaborated on frontend and backend integration, ensuring smooth interaction between data storage and user interface.
- Handled deployment and server management on AWS, ensuring the platform's reliability and scalability.
- **Visit site**

Visadoor.com - Large-Scale Immigration Data Platform | *Next.js, SQL Database, Linux, Docker*

- Developed a robust platform for querying and analyzing immigration data with millions of records using optimized SQL databases.
- Built advanced search and filtering capabilities to efficiently process large-scale datasets with minimal query time.
- Independently handled server administration, including deployment, configuration, and maintenance on Linux systems.
- Implemented database optimization techniques to improve query performance and handle concurrent user requests.
- Created a responsive and intuitive user interface for navigating complex immigration data sets.

Dolpha - Web3 Analytics Platform | *React.js, Node.js/Express.js, MongoDB, Polkadot APIs, AWS*

- Led the development of a Web3 analytics platform with a focus on Polkadot, ensuring a smooth and intuitive user interface.
- Collaborated with backend engineers to integrate real-time data and analytics features, ensuring frontend-backend alignment.
- Designed and implemented responsive UI components, enhancing the overall user experience for Polkadot power users.
- Contributed to platform scalability and optimization, ensuring high performance even with increased data loads.

Armadillo Web | *React, Tailwind CSS*

- Developed an informational website for Armadillo NFT's using React and Tailwind CSS.
- Designed and implemented a clean, responsive layout to effectively communicate the brand's mission and offerings.
- Highlighted unique features of the NFT platform, including its commitment to innovation, creativity, and community.
- Ensured a seamless user experience and alignment with the client's vision and goals.
- **View Source Code**
- **Visit site**

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, Python

Frameworks and Libraries: React.js, Next.js, Tailwind CSS, Express.js, FastAPI, Langchain, Langgraph, Langserve

Desktop Backend: Python (file handling, multithreading, local database integration)

Databases: MongoDB, SQL

Tools and Platforms: Docker, Git, GitHub, Linux

Blockchain: SUI, Cardano

Cloud: AWS