Aaditya Bhusal

Software Engineer

🌐 Website   in LinkedIn

⬛ GitHub   ✉ Email

📍 Remote, India

Experience

BuildShip   *Sep 2023 – Present*

Software Engineer   *Remote*

- **Led the development** of code editors, Node inputs, Flow inputs, Outputs and Environment variables.
- Introduced and implemented practical **low-code abstractions**, such as the condition logic editor.
- Worked extensively with **CodeMirror** and built **custom extensions**, including autocompletion, formatters, linters, regex-based widgets, TypeScript support, a scalable **'types' fetcher** for npm imports, and more.
- Developed a secure client-side scripting system to create dynamic UIs and **user-defined reactivity**.
- Achieved **several optimizations** with efficient data fetching, code splitting, lazy loading, and memoization.

FarmSetu Technologies   *Feb 2022 – Aug 2023*

Front-end Engineer   *Nashik, India*

- Led the development of multiple software products for **consumer** and **enterprise** markets.
- Built an optimized **map-rendering system** capable of fetching and managing over **100,000** entities.
- Achieved significant performance improvements, including an **84% reduction** in app load time.
- Developed a schema language and a **form-generation engine** to create complex nested forms.'

Ehani Technologies   *Sep 2021 – Jan 2022*

Front-end Engineer   *Kathmandu, Nepal*

- Created a front-end application for a university alumni network with over **1500 students**.

Projects

Visual Logic - Visual Programming Editor   *Live Link*

TypeScript, React   *Demo Video*

- **Features:** structured editor, data flow tracing, statically typed, code generation, etc.

DevBuilder - Visual Website Builder   *Live Link*

JavaScript, React, Node, Express and MongoDB   *Demo Video*

- **Features:** drag-and-drop, undo and redo, export code, custom CSS editor, templates, navigator, etc.

Swata - Simplified YouTube Learning   *Live Link*

TypeScript, React, Supabase, ProseMirror   *Demo Videos*

- End-to-end **startup experience**: demonstrated at colleges, **talked to users** and built based on feedback.
- **Features:** Create courses from YouTube, advanced Notion-like drag-and-drop editor, and more.

Education

B.Sc. (Honours) Software Engineering (2018 - 2021)   *University of Northampton*

First Class Distinction with Honours   *Northampton, England*

Additional

Technologies	TypeScript, JavaScript, React, Express.js, Firebase, Playwright, CodeMirror, Web APIs	
Tech. Talk	The Next Age Of Web Development	*Talk Link*
Research Paper	Predicting Student's Performance Through Data Mining	*Paper Link*