

# Yogesh Shrestha

## Frontend Engineer

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## Summary

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Frontend Engineer with 4 years of experience building performant, production-grade web applications. Specialised in **Vue / Nuxt** and **Web3** ecosystems, with hands-on experience shipping AI-powered and blockchain-native products. Comfortable working across the full frontend stack from component architecture and state management to smart-contract interaction and wallet integrations.

## Experience

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### Frontend Developer

[Mokshya Protocol](#)

Oct 2022 – Present

Remote / Kathmandu

- Led frontend development of **Mokshya AI** ([mokshya.ai](https://mokshya.ai)), an AI-powered cybersecurity agent for Web3 — covering threat detection, smart-contract auditing, and infrastructure protection.
- Built and maintained **Wapal** ([wapal.io](https://wapal.io)), the leading NFT creation and marketplace platform on the **Aptos blockchain**, handling high-throughput on-chain interactions and wallet flows.
- Architected reusable component libraries in **Vue 3 / Nuxt 3**, reducing UI development time across projects by an estimated 30%.
- Integrated **Web3 wallets** (Petra, Martian) and on-chain data via **Aptos SDK**.
- Collaborated with backend and smart-contract teams to design and consume REST / GraphQL APIs and on-chain contract ABIs.
- Implemented performance optimisations (lazy-loading, SSR, image optimisation) to achieve sub-2-second LCP scores in production.

## Projects

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**Mokshya AI** (Vue 3, Nuxt 3, Python API, Web3) — <https://mokshya.ai>

- AI cybersecurity agent detecting on-chain threats, auditing smart contracts, and protecting Web3 infrastructure in real time.
- Designed the dashboard UI for threat visualisation, audit report rendering, and alert management.

**Wapal NFT Platform** (Vue 3, Nuxt 3, Aptos SDK, TailwindCSS) — <https://wapal.io>

- Leading NFT creation and trading marketplace on the Aptos blockchain.
- Owned the minting flow, collection management UI, and wallet-connection layer.

## Technical Skills

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**Languages:** JavaScript (ES2023+), TypeScript, HTML5, CSS3 / SCSS

**Frameworks:** Vue 3, Nuxt 3, Pinia, Vue Router, Vite

**Web3 & Blockchain:** Aptos SDK, Wallet adapters ( Petra, Martian), NFT standards (ERC-721/1155)

**Styling:** TailwindCSS, SCSS, CSS Modules, Responsive & accessible design

**APIs & Data:** REST, GraphQL, WebSockets, on-chain contract ABIs

**Tooling:** Git, GitHub Actions, Docker (basics), Vitest, ESLint, Prettier

**Soft Skills:** Cross-functional collaboration, async remote work, technical documentation

## Education

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**BSc (Hons) Computing**

[University of Wolverhampton](#)

Graduated 2022

United Kingdom

Relevant modules: Web Application Development, Software Engineering, Database Systems, Computer Networks.

## Additional

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- Passionate about the intersection of **AI and Web3** — actively following DeFi, NFT, and on-chain security research.
- Open-source contributor; personal projects and experiments available at [github.com/Yogeshshrestha](https://github.com/Yogeshshrestha).
- Languages: Nepali (native), English (professional proficiency).

*References available on request.*