

Diwan Malla

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PROFILE

Motivated Full Stack developer skilled in **Next.js, Node.js, TypeScript, AWS**, with hands-on experience building scalable, cloud-based web applications and APIs. Certified in **IBM Full Stack Development** and **Meta Front-End Specialization**, with strong expertise in **backend APIs, PostgreSQL, AWS hosting**, and **CI/CD**. Passionate about developing secure, data-driven products that combine analytics, automation, and user-focused design.

SKILLS

Frontend: React 19, Next.js 15, Tailwind CSS, Typescript, Redux, Responsive Design

Backend: Node.js, Express, Python, REST APIs, Prisma ORM, Java (basic), OOP concepts, .NET (familiar)

Database: MongoDB, PostgreSQL, MySQL, familiar with DynamoDB concepts

Cloud & DevOps: AWS (s3, ec2, lambda basics), Vercel, Git/GitHub, CLI, CI/CD

APIs & Integration: Stripe, Pusher, WebSocket, Clerk Auth, NextAuth

CMS: WordPress

EXPERIENCE

Full-Stack Developer | Barnamala Tech | Feb 2025 – Present

- Engineered and maintained secure, scalable Python (Flask) backend APIs integrated with Next.js microservices, improving overall application performance by 20%.
- Implemented robust authentication and user session management using NextAuth and JWT, enhancing application security and user data protection.
- Automated testing and CI/CD pipelines using GitHub Actions, reducing deployment time by 40% and ensuring code quality through rigorous automated checks.
- Conducted comprehensive code reviews within an Agile team, improving code maintainability and team-wide adherence to best practices.

Technologies: Next.js, python (flask), MongoDB, AWS, GitHub Actions, NextAuth, JWT

Junior Web Developer | Hamro Chautari | April 2023 – Nov 2024

- Developed and maintained client websites and admin dashboards using React, Next.js, and Tailwind CSS, resulting in a 25% improvement in client-reported performance.
- Built and integrated backend services with Node.js and Express, connecting to PostgreSQL and MongoDB databases to manage complex data structures.
- Contributed to a 99.9% uptime by assisting in the deployment and management of applications on AWS (S3, EC2) and Vercel.
- Collaborated with cross-functional teams to implement UI/UX enhancements, resulting in a 15% increase in user engagement metrics and improved SEO rankings.

Technologies: React, Next.js, Tailwind CSS, Node.js, Express, PostgreSQL, AWS, GitHub, CI/CD

Front-End Web Developer | Bihani Tech | Sep 2021 – Aug 2022

- Designed and developed responsive websites and web apps using **JavaScript, React.js, and Bootstrap**, improving client UI satisfaction by 35%.
- Customized and maintained **WordPress** websites for local clients, optimizing SEO and loading speed.
- Collaborated with backend teams and designers to deliver 10+ successful business projects, including e-commerce and portfolio sites.
- Introduced version control using GitHub, enhancing project collaboration and deployment workflows.

Technologies: JavaScript, React.js, Bootstrap, WordPress, Git, HTML5, CSS3, REST APIs

PROJECTS

Job Tracker – Application Management System | Oct 2025

- Built full-stack job tracking platform using Next.js 15 and PostgreSQL, serving 10+ active users
- Developed analytics dashboard with conversion metrics and charts, providing insights on application success rates.
- Implemented secure file upload using Vercel Blob storage, managing 50+ resume/cover letter documents.
- Created public sharing system with privacy controls, enabling users to share applications with recruiters.

PDFly – Professional PDF Processing Platform | Aug 2025 - Oct 2025

- Developed PDF APIs using python libraries, processes 100+ docs daily
- Built secure file system with encryption, maintains 99% accuracy rate
- Created responsive UI with error handling, improved satisfaction by 45%

SangeetX – Music Streaming Platform | July 2025 - Sep 2025

- Built full-stack streaming app with Next.js and Typescript, serves 50.+ users.
- Created admin dashboard with playlist management, reduced admin time by 60%.
- Optimized media storage using cloudinary, improved loading speed by 50%.

BrainiX – AI Powered LMS | Capstone Project | Feb 2025 - June 2025

- Led 3-member dev team building AI learning platform, achieved 94.7% completion rate.
- Built real-time chat using Pusher integration, increased engagement by 300%.
- Integrated Stripe payments with secure APIs

EDUCATION

Victoria University Sydney

Bachelor of Information Technology

Sydney, Australia

2022 – 2025