Churamani Pandey

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Software Development | Web Development | SaaS Applications | AI Integration

Full-stack software engineer with experience building production SaaS platforms and AI-powered applications. Focused on scalable architecture, automated workflows, and data-driven features across marketplace, hospitality, and education sectors. Proficient in modern web frameworks, testing practices, and CI/CD deployment.

Backend Development	Frontend Development	System Design
API Design & Development	React & Next.js	Multi-tenant Architecture
Testing & CI/CD	State Management	Real-time Systems
Database Optimization	Responsive Design	Payment Integration

PROFESSIONAL EXPERIENCE

Full Stack Engineer | Zovex
01/2025 – Present

- Architected and deployed multi-tenant SaaS platform with real-time order management, reducing order-to-kitchen time from 8 minutes to under 30 seconds through optimized database queries and WebSocket implementation.
- Built scalable subdomain-based architecture with tenant isolation, integrated payment orchestration (BYOK support), and ML-powered menu recommendations.
- Established testing pipeline with Pytest for backend services and Playwright for E2E flows; set up GitHub Actions for automated CI/CD deployment.
- Optimized concurrent request handling and implemented monitoring with Sentry for production error tracking.

Technology Used: Next.js, FastAPI, PostgreSQL, TypeScript, SQLAlchemy, TanStack Query, Tailwind CSS, Socket.IO, Sentry, Resend, Pytest, Playwright, GitHub Actions

Full Stack Engineer | BrandStage
03/2025 – 06/2025

- Developed full-stack marketplace platform connecting brands, venues, and vendors with comprehensive financial transaction tracking and role-based access control.
- Built powerful headless CMS controlling UI elements dynamically, enabling non-technical users to manage layouts, content, and styling without code changes.
- Implemented server-side rendering with Next.js for SEO optimization and improved page load performance.
- Integrated Stripe payment processing with atomic transaction management and automated webhook handling for event booking workflows.
- Designed relational database schema with Prisma ORM for complex multi-entity relationships and state management.

Technology Used: Next.js, Node.js, PostgreSQL, Stripe, TypeScript, TanStack Query, Prisma ORM, Clerk

Full Stack Engineer | DocuFlow Intelligence
02/2025 – 08/2025

- Built automated document processing pipeline reducing review cycle from weeks to days, achieving high automation rate for classification and routing.
- Implemented RAG architecture with vector stores for semantic document filtering and Gemini AI for executive summarization.
- Developed web scraping system with automated SMTP workflows for decision tracking and agreement generation.

- Wrote comprehensive test suite with Pytest covering document parsing, AI integration, and email automation flows.

Technology Used: Python, Gemini AI, OpenAI, Vector Store, Email Automation, Web Scraping, Document Processing, SMTP, RAG, Pytest

Full Stack Engineer | VisionFit AI   08/2024 – 12/2024

- Developed AI-powered styling platform cutting consultation time from hours to minutes using OpenAI vision models for body composition analysis and personalized recommendations.
- Built automated web scraping pipeline significantly reducing infrastructure costs through intelligent caching and batch processing.
- Implemented React Native mobile application with Stripe payment integration and real-time recommendation engine.
- Wrote unit tests with Pytest for API endpoints and UI components.

Technology Used: TypeScript, Expo, React Native, OpenAI, Hono, Next.js, Puppeteer, Node.js, Stripe, Jest

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript
Backend: FastAPI, Django, Node.js, Hono, REST APIs
Frontend: Next.js, React, React Native, Expo, Tailwind CSS
Database: PostgreSQL, MongoDB, Supabase, Vector Stores
Testing & DevOps: Pytest, Playwright, Jest, Docker, Git, GitHub Actions, CI/CD
Tools & Platforms: Vercel, Railway, DigitalOcean, Sentry, Stripe, Socket.IO, Prisma ORM

EDUCATION

BSc Computer Science & Information Technology (Expected 2026)   Tribhuvan University, Nepal

Relevant Coursework: Cloud Computing, Algorithms & Data Structures, Artificial Intelligence, Data Mining, Web Technologies