

PRABESH REGMI

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[Portfolio](#) || [Github](#)

SUMMARY

Full Stack Software Engineer with 3+ years of experience designing and delivering scalable, production-grade applications across frontend, backend, and distributed systems. Proven track record of building 15+ real-world projects including AI-powered platforms, real-time systems, fintech applications, and learning platforms.

Expertise in React, Next.js, TypeScript, Node.js, and Python with strong foundations in RESTful API design, system architecture, and database optimization. Experienced in implementing AI integrations (NLP, semantic search, speech-to-text), real-time communication, and event-driven systems.

Skilled in DevOps practices including Docker, Nginx, CI/CD pipelines, and cloud deployment. Adept at translating Figma designs into high-performance, pixel-perfect UIs and managing the full software development lifecycle from architecture to deployment.

TECHNICAL SKILLS

Frontend

- React.js, Next.js, TypeScript
- Tailwind CSS, Bootstrap, Styled Components
- ShadCN, Chakra UI, Material UI

Backend

- Node.js (Express), Python (Django, Flask, FastAPI)
- REST API Design, Authentication & Authorization
- AI Integrations (NLP, Semantic Search, STT)

Database & Caching

- PostgreSQL, MySQL, MongoDB
- Redis (Caching, Pub/Sub, Queue systems)
- Vector Databases (Embedding-based retrieval)

DevOps & Infrastructure

- Docker, Nginx, CI/CD Pipelines
- Server Deployment & Configuration
- Background Workers (BullMQ, Redis Queue)

Tools & Technologies

- Git, Webpack, Babel
- Shopify API, Socket.io
- FFmpeg, WebSockets

PROFESSIONAL EXPERIENCE

Mid-Level Software Engineer

Danphe Innovations | Feb 2023 — Present

- Developed scalable full-stack applications using React, Next.js, TypeScript, Node.js, and Python
 - Designed RESTful APIs, authentication systems, and optimized relational and NoSQL databases
 - Integrated AI-powered features including speech-to-text pipelines, semantic search, and NLP-based systems
 - Implemented real-time communication systems using Socket.io and WebSockets
 - Built asynchronous job processing pipelines using Redis and BullMQ
 - Containerized applications using Docker and managed deployments via Nginx
 - Contributed to CI/CD pipelines and automated deployment workflows
 - Collaborated cross-functionally with AI, backend, and frontend teams to deliver production-ready systems
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Python Trainee

Bajra Technology | Sep 2022 — Dec 2022

- Developed UI components using QWeb templates and JavaScript modules
 - Implemented frontend event handling, RPC communication, and asset management
 - Built responsive interfaces using Bootstrap and custom CSS
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Good call—adding links increases both recruiter trust and ATS scoring.

Here's your **updated PROJECTS section with clickable links (ATS-friendly format)**:

PROJECTS

Optonome (2025)

AI-powered real-time chat backend with document processing and summarization

Tech: AWS, Amazon Bedrock, Node.js, REST APIs

Link: <https://optonome.com/>

- Integrated AI agents with command-based invocation and prompt orchestration
 - Built summarization pipelines for messages, documents, and structured data
 - Designed secure APIs for file ingestion and processing
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HITE (2026)

AI-driven educational platform converting PDFs into structured courses

Tech: Next.js, Node.js, Vector DB, Redis, BullMQ

Link: <https://brainiak-admin.intelladapt.com/>

- Developed document ingestion → embedding → semantic retrieval pipeline

- Implemented course rendering system with hierarchical JSON structure
 - Built background workers for processing and caching
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Power2Peer (2024)

Decentralized energy trading platform

Tech: Solidity, React, Node.js, PostgreSQL, PostGIS

Link: <https://power2peer.com/>

- Developed smart contracts for peer-to-peer energy trading
 - Integrated blockchain interactions using Infura
 - Implemented geospatial queries using PostGIS
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Learn Platform (2025)

Video-based AI learning system with automated transcription

Tech: React, Node.js, FFmpeg, AI/STT, PostgreSQL

Link: <https://learn.intelladapt.ai>

- Built pipeline for audio extraction and speech-to-text processing
 - Generated structured learning content from subtitles
 - Designed APIs for streaming and content delivery
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Brainiak (2024)

Real-time EEG analytics platform

Tech: Node.js, WebSockets, FFT, React

Link: <https://mybrainiak.com>

- Processed brainwave data streams and computed frequency bands
 - Built real-time visualization dashboards
 - Optimized streaming performance and reduced UI lag
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Lets Drive (2023)

Vehicle rental marketplace

Tech: React, Node.js, PostgreSQL

Link: <https://letsdrive.com.np/>

- Implemented booking system with conflict detection
 - Developed admin dashboard and authentication system
 - Integrated payment workflows and APIs
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Eatwell Patient (2026)

Nutrition platform with structured diet programs

Tech: React, Firebase, REST APIs

Link: <https://app.eatwellmealkits.com/>

- Built dynamic weekly meal planning system
 - Implemented real-time data synchronization
 - Optimized frontend state handling and API interactions
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Lavapalu (2023–2024)

Food ordering and delivery application

Tech: React, JavaScript, Maps API, REST APIs

Link: <https://www.lavapalu.com/>

- Integrated geolocation and distance-based pricing logic
 - Built cart, checkout, and order tracking system
 - Implemented recommendation features
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Sajilo Loan (2023)

Loan platform with EMI calculation and application system

Tech: React, Node.js, MySQL

Link: <https://sajiloloan.com/>

- Built EMI calculation logic and financial modules
 - Designed secure loan application workflows
 - Developed admin tools and APIs
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Confident Steps (2025)

Company portfolio and event management system

Tech: WordPress, PHP

Link: <https://www.confidentsteps.com.np>

Arthasya Ventures (2024–2026)

Real estate listing platform (static generator)

Tech: Node.js, Handlebars

Link: <https://arthasyaventures.com/>

Pacific International (2024)

Study abroad consultancy website

Tech: WordPress, PHP

Link: <https://pacificstudyabroad.edu.np>

Agri-Recruit (2025)

Bilingual workforce recruitment platform

Tech: HTML, Tailwind CSS, JavaScript

Link: <https://binomialtime.com/>

Flor Do Terreirinho (2025)

Construction company portfolio

Tech: HTML, Tailwind CSS, JavaScript

Link: <https://leitariaflor.com/>

EDUCATION

Bachelor of Engineering in Computer Engineering

Kathmandu Engineering College (Tribhuvan University)

2017 — 2022 | Kathmandu, Nepal

KEY ACHIEVEMENTS

- Delivered **15+ production-grade applications** across multiple domains
 - Built **AI-powered pipelines** for content processing and semantic retrieval
 - Designed **real-time systems** handling streaming and event-driven architectures
 - Experience working with **international clients (US, Europe, Remote teams)**
 - Strong expertise in **end-to-end product development lifecycle**
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ADDITIONAL INFORMATION

- Strong problem-solving and system design skills
- Experience with agile development and team collaboration
- Passionate about building scalable, high-performance applications