

DIPENDRA NATH

Full Stack Developer

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PROFILE

Full Stack Software Developer with 4+ years of experience building scalable web applications using React, Django, FastAPI, Spring Boot, PostgreSQL, Docker, and AWS. Experienced in designing user-facing applications, developing secure REST APIs, and delivering production-ready software in Agile teams. Passionate about building customer-focused products with clean, maintainable code and continuously learning new technologies.

RELEVANT SKILLS

Languages: Python, Java, JavaScript (ES6+), Typescript, SQL, HTML5, CSS3

Frontend: React, Tailwind, Bootstrap, Next.js, Responsive Design

Backend: Django, DRF, FastAPI, Spring Boot, REST APIs, Multi-Tenant Architecture, Microservices

Databases: PostgreSQL, MySQL, MongoDB, SQLite, Redis

Cloud & DevOps: AWS (EC2, S3), Docker, GitHub Actions, Linux, Nginx, Terraform, Bash

Background Processing: Celery, Celery Beat, RabbitMQ, WebSockets, Django Channels

Monitoring: Grafana, Prometheus, Logging, Performance Monitoring

Development Tools: Cursor, VS Code, IntelliJ IDEA, Git, Github, Jira, Slack

Methodologies: Agile, Scrum, SDLC, OOP, Code Reviews, Unit Testing, API Testing, CI/CD

Soft skills : Problem-solving, Clear communication, Team collaboration, Time management, Adaptability, Attention to detail, Ownership

PROFESSIONAL EXPERIENCE

FREELANCE SOFTWARE DEVELOPER

afso.io

Dec 2024 – Present

- Designed and developed a production-ready multi-tenant ERP and accounting platform using **React, Django REST Framework, PostgreSQL, Redis, and Docker**. (lekha.afso.io)
- Built responsive React interfaces integrated with secure REST APIs using JWT authentication and role-based access control. (learn.afso.io)
- Developed accounting modules including journal entries, trial balance, profit & loss, VAT, depreciation, subscriptions, and financial reporting.
- Built a subscription-based learning platform with secure video streaming, authentication, and user engagement features.
- Implemented real-time notifications using Redis, WebSockets, Django Channels, and Celery.
- Designed scalable cloud infrastructure using Docker, GitHub Actions, AWS EC2, S3, and Nginx.
- Monitored production systems using Prometheus and Grafana dashboards.
- Participated in architecture discussions, sprint planning, debugging production issues, and continuous feature delivery.

SOFTWARE DEVELOPER

Nepal

[Khalti](#)

01/2023 - 09/2023

- Developed the **Scan-to-Order** feature using UPI QR technology, enabling restaurant ordering and seamless payments within the Khalti mobile application.
- Engineered an automated recurring payment system (AutoPay) using Celery, Celery Beat, Redis, and scheduled background tasks.
- Designed and implemented a subscription management platform for third-party merchants integrating Khalti Payment Gateway services.

- Built a payment testing microservice that separated production and testing environments, simplifying payment integration for developers.
- Collaborated with cross-functional engineering teams to deliver features following Agile methodologies.
- Participated in debugging, code reviews, QA issue resolution, and production support.

BACKEND DEVELOPER

Nepal

Soori Technology

2021 - 2023

- Developed a sophisticated Warehouse Management System backend using Django Rest Framework and REST APIs, improving operational efficiency in storage, dispatch, and inventory management.
- Implemented Barcode and QR code systems to enhance accuracy and speed in warehouse inventory processes.
- Designed a customized user authentication and authorization system with multi-tiered permissions for seamless alignment with system design specifications.
- Established real-time notifications using WebSocket (Django channels), paired an in-memory database (Redis), and Celery for prolonged task management.
- Created a Branchless Banking (BLB) and Banking Know Your Customer (KYC) compliance demonstration application, integrating biometric and signature verification for enhanced security using SpringBoot.

BACKEND DEVELOPER

Nepal

Meraki Techs

2020 - 2021

- Developed backend APIs for diverse systems, including Restaurant Management, Pharmacy Management, and Medical Lab Management, utilizing Python, Django, and PostgreSQL, utilizing Docker for application containerization.
- Implemented cloud-based solutions by hosting websites and storing data on Amazon Web Services (AWS, EC2, and S3).
- Collaborated in Agile teams using Git workflows, sprint planning, and code reviews.
- Assisted in production issue resolution, debugging, and feature enhancements.

PROJECTS

Lekha – Multi-Tenant ERP & Accounting System:

Tech Stack: React, Django REST Framework, PostgreSQL, Redis, Docker, AWS

- Developed a full-stack ERP platform supporting multiple organizations through multi-tenant architecture.
- Built responsive React dashboards for accounting, reporting, invoicing, and user management.
- Implemented journal entries, trial balance, profit & loss, VAT, depreciation, subscriptions, notifications, and activity tracking.
- Integrated secure JWT authentication and role-based authorization.
- Containerized the application using Docker and deployed to AWS.

SmartFarm:

Tech Stack: React, Django, PostgreSQL

- Developed a crop recommendation platform using historical climate and soil data.
- Built responsive dashboards and analytics interfaces using React.
- Integrated external weather and agriculture APIs.
- Added blog and news modules for user engagement.

LEARNIFY - LEARNING MANAGEMENT PLATFORM:

Tech Stack: React, Django, PostgreSQL, Docker

- Built a subscription-based online learning platform.
- Developed responsive React interfaces for course browsing and video streaming.
- Implemented authentication, subscriptions, secure content delivery, and user engagement features.
- Designed REST APIs for frontend integration.

[DJANGO-QUERY-LOG](#)(OPEN SOURCE):

Tech Stack: Django, Python

- Developed and published a reusable Django package for logging SQL query execution and measuring database performance.
- Helps developers identify slow queries and optimize database performance during development.

EDUCATION

MOBILE SOLUTIONS DEVELOPMENT

Waterloo, CA

[Conestoga College](#)

2023-2024 | GPA(3.83/4)

[Web Design and Development, Systems Design and Development, IOS Development, Android Development]

BACHELOR'S IN COMPUTER SCIENCE

Kathmandu, Nepal

[Tribhuvan University](#)

2016-2020

[Data Structures, Software Design, Interface Design, Web Technologies, Operating Systems, Security, and encryption]

AWARDS & CERTIFICATES

- **CAPSTONE PROJECT** [Conestoga College](#)
Mobile Solution Development "Best of the Program" - SmartFarm
- **REACT & DJANGO FULL STACK** [Udemy](#)
Web apps and Backend apps
- **REACT - THE COMPLETE GUIDE 2025 (INCL NEXT.JS, REDUX)**[Udemy](#)
Frontend Apps