

Pragyo Tandukar

BACKEND DEVELOPER

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I am a results-driven Full-Stack Developer with expertise in Django and the MERN stack. I am skilled in web technologies and databases, with experience in microservices. I have worked as a Backend Developer for a year, where I contributed to developing microservices. I am passionate about innovative web solutions and am seeking a role that will help me grow my skills further.

Skills

- **Programming Skills:** Python, JavaScript, Java, C, PHP.
- **Web & Database:** PostgreSQL, MongoDB, MySQL, SQLite. HTML, CSS,.
- **Frameworks:** Django, Express, ReactJs, Tailwind, Bootstrap, MUI.
- **Others:** Git, Mern-stack, RabbitMQ, Celery ,Postman, VsCode.

Education

BSC (HONS) COMPUTER SCIENCE

Herald College Kathmandu - Naxal, Kathmandu | 2021 - 2023

ACADEMIC AWARDS

- Academic, Attitude, Attendance (AAA) Scholarship
Herald College Kathmandu - Naxal, Kathmandu

Work Experience

BACKEND DEVELOPER

FlareSight - Kuleshwor, Kathmandu | Jul 2023-July 2024

- Developed microservices using Python (Django) and managed asynchronous tasks with Celery.
- Created and maintained RESTful APIs to facilitate communication between frontend and backend services.
- Led efforts to troubleshoot and resolve bugs in the codebase.
- Utilized RabbitMQ for event-driven architecture to enable efficient communication between microservices.
- Created Nginx API gateway as a single entry point across all microservices.
- Developed middleware for role-based access control (RBAC) to enhance security and access management.

FREELANCE

Reservation Management System (FullStack Developer) | 2022

- Developed a hotel booking management system using MERN stack (MongoDB, Express, React.js, Node.js), JWT, Tailwind CSS, RTK-Query.
- Designed and built an intuitive user interface.
- Utilized RTK-Query for efficient data management.

Competency Demonstration Report Website | 2024

- Developed a CDR website using React.js,Tailwind CSS.
- Built a user-friendly and responsive interface to ensure accessibility across various devices.

Projects

BACK-END

MicroLibraryServices | 2023

[Github](#)

Developed a microservices-based library management application covering authentication, borrowing, book management, and fine management.

- Created services for secure user authentication, book search and inventory management, CRUD operations for the book catalog, and fine calculation.
- Utilized RabbitMQ for message queuing and communication between microservices, enhancing scalability and responsiveness.

BACK-END

MicroChatServices | 2024

[Github](#)

Developed an event-driven, microservices-based chat application

- Implemented an Auth microservice with OAuth authentication for google sign-in.
- Implemented Django Channels enabling real-time communication using, with Redis serving as the channel layer for message passing.
- Utilizing RabbitMQ for event-driven communication between microservices and Celery for handling tasks asynchronously, ensuring efficient background processing.

FRONT-END & BACK-END

Tour Management System | 2022

[Github](#)

- Collaborated within a SCRUM team and mentored 2 developers, provided guidance and debugging support.
- Implemented authentication and CRUD operations for users and tour packages. Built a fully responsive Admin Dashboard

FRONT-END & BACK-END

Patient Management System | 2022

[Github](#)

- Implemented the entire login system to allow CRUD operations for various user profiles, appointments, and inpatient admissions (MERN Stack, Tailwind, RTK Query).
 - Built a system for managing inpatients and outpatients in a hospital.
 - Build a fully responsive UI
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