Aayush Humagain

Software Engineer

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With a strong foundation in building and scaling web applications, I specialize in driving technological innovation and leading teams to develop high-performance, user-centric solutions. My work is centered around leveraging emerging technologies to create seamless, impactful systems that solve complex challenges. Beyond core development, I am deeply committed to research and development, particularly in the areas of AI and machine learning, exploring how these transformative technologies can be integrated to enhance application capabilities and business outcomes.

EXPERIENCE

Software Engineer
Kathmandu, sinamangal

Fleetpanda
Jul, 2024 - Present

- Spearheaded the development of a marketplace application from the ground up, ensuring seamless integration and high-performance delivery.
- Utilized Ruby on Rails for backend development and React for the frontend, creating a responsive, user-friendly interface.
- Deployed and managed the application on Heroku, optimizing performance and scalability.
- Led and mentored a team of developers, fostering a collaborative and efficient work environment.
- Actively engaged with clients to gather requirements, understand business needs, and translate them into actionable technical solutions.

ROR Developer
Kathmandu

Smart Solar Nepal Corporation
Aug, 2023 - Jun, 2024

- Built and integrated a secure payment system within the application, enhancing transaction functionality.
- Mentored interns, providing guidance and support in their development process.
- Actively participated in client discussions to gather requirements and ensure alignment with business goals.
- Utilized AWS services such as ECR, EC2, and Lambda to deploy and scale applications efficiently.
- Designed, developed, and maintained web applications using the Ruby on Rails framework, ensuring high performance and scalability.
- Worked with relational databases to optimize data storage and retrieval for optimal system performance.

Senior Trainee
kathmandu

Bajra Technologies pvt ltd
Nov, 2022 - Jun, 2023

- Gained in-depth knowledge of Ruby on Rails architecture, including its Object-Relational Mapping (ORM) framework.
- Gained hands-on experience in writing and optimizing complex database queries.
- Ensured high code quality and maintainability by utilizing Code Climate for continuous monitoring and improvement.
- Gained some hands-on experience with Angular for front-end development.

Python Django Developer
Banepa

Axios Sofwork
May, 2021 - Feb, 2022

- Joined as python django developer.
- Accquired skills like REST Api, ORM, pdf generator, celery etc.

EDUCATION

Bsc CSIT
Banepa

Banepa Nist
May, 2017 - Aug, 2022

Major Subjects
- Data structure and algorithm
- Web technology
- Computer Architecture

- Advance Java
- Advance database management system

PROJECTS

Ecommerce

- **Tech Stack:** Ruby on Rails, React, PostgreSQL/MySQL, Stripe (for payment gateway)
- **Description**: Developed a full-featured eCommerce platform with functionalities like user authentication, product catalog, shopping cart, and order management. Integrated payment systems and implemented secure user data handling.

Automated Backup Systems

- **Tech Stack**: Lambda, AWS S3, cron jobs
- **Description**: Develop a simple backup system that runs periodically to back up files or databases to AWS S3. You can use cron jobs for scheduling and automate the backup process with a script. This is useful for data recovery scenarios and shows your automation skills.

Discussion Forum

- **Tech Stack**: Ruby on Rails, PostgreSQL, Bootstrap
- **Description**: Developed a discussion forum where users can register, log in, and participate in conversations. The forum allows users to create posts, comment on threads, and categorize topics for easy navigation. Implemented user authentication with Devise and added real-time updates using ActionCable for live comments and notifications. Utilized PostgreSQL for data storage and Bootstrap for responsive UI design.

Portfolio

- **Tech Stack**: HTML, CSS, JavaScript
- **Description**: Developed a personal portfolio website to showcase my skills, projects, and experience as a developer. The website features a clean, responsive design using CSS for styling and JavaScript for interactive elements like form validation and smooth scrolling. The website includes sections for an about me, skills, portfolio projects, and contact information, all designed to offer an intuitive user experience.

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Charity System

- **Tech Stack**: Python, Django, Khalti API, Stripe API, PostgreSQL
- **Description**: Developed a charity donation platform where users can donate to various causes. Implemented payment gateways using Khalti and Stripe for secure and seamless online transactions. Users can browse different charity campaigns, select a cause, and make one-time or recurring donations. The platform also provides transaction history and donation receipts. Built with Django for the backend and PostgreSQL for database management, ensuring scalability and data integrity.

TRAINING/CERTIFICATIONS

Java   2020

Next Step

Took a java course to understand object oriented programming.

SKILLS

Object Oriented Programming, Relational Database Management System, Rest Api, Python Django, Ruby on rails, Git, LInux, Docker, AWS services(ec2, lambda, api gateway, elastic container registry), React, Apache Kafka, Heroku, Google Spreadsheets, slack