

MANISH CHHETRI

ENGINEER · FULL STACK SOFTWARE DEVELOPER

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“Be the change that you want to see in the world.”

Profile

Results-driven professional with extensive experience in full-stack development, cloud services, and mentoring. Demonstrated expertise in creating high-quality, secure solutions using ReactJS, NestJS, Docker, Kubernetes, and microservices architecture. Proven success in guiding junior developers, optimizing performance, and ensuring robust security. Passionate about delivering comprehensive solutions and driving impactful projects while continuously seeking opportunities for growth

Technical Skill

Back-end :- Node, Typescript, Express, NestJS, Redis, Sockets

Front-end :- CSS, ReactJS, Redux, NextJS, Tailwindcss

Database :- NoSQL: MongoDB, SQL: Postgres, MySQL

DevOps :- Docker, Kubernetes, CI/CD pipelines (Github Actions), Ansible, Kafka

Cloud Services :- AWS: EC2, ECS, S3, Serverless Lambda, VPC

Experiences

Swivt

Lalitpur, Kathmandu Nepal

FULL STACK SOFTWARE DEVELOPER

Jun. 2024 - Present

- Managing server configurations, troubleshooting, and resolving issues by analyzing log files to ensure seamless operations.
- Enhancing existing projects by implementing new features, with a focus on WebRTC and role-based management systems
- Containerization of applications, Configuring and optimizing Nginx, alongside handling DNS and domain management for over 100 domains and subdomains through Cloudflare

Swivt Education

Lalitpur, Kathmandu Nepal

FULL STACK DEVELOPER (MENTOR)

Jun. 2024 - Present

- Provide guidance and mentorship to junior developers, helping them enhance their technical skills and grow as full-stack engineers.
- Assist mentees in building real-world applications, focusing on both frontend and backend development using modern technologies (e.g., React, Node.js, MongoDB)
- Review code, provide constructive feedback, and introduce best practices in software development. - Teach concepts like version control, API development, responsive design, and database management

EnterLeaf

Kuleshwor, Kathmandu Nepal

MICROSERVICE BACKEND DEVELOPER

Jan. 2024 - May. 2024

- Designed and developed different services using NestJS, leveraging NATS for message brokering, enabling a robust event-driven architecture.
- Integrated an API Gateway to handle and route requests efficiently from both mobile and web browser clients, ensuring seamless communication across services.
- Implemented a CI/CD pipeline using GitHub Actions, streamlining the deployment process and ensuring continuous integration and delivery for rapid and reliable updates.

Projects

Real Time Vote Ranking

CODE

- Implemented a Real-Time Vote Ranking system using Nest.js Web Socket Gateway for secure communication and JWT tokens for user authentication
- Utilized Redis micro-services for efficient data handling, and Docker for containerization. The front-end was built with React and integrated with Socket.io for real-time updates.

OAuth Template and RBAC Authorization Template

OAUTH CODE RBAC CODE

- A versatile template-based OAuth in nodeJs and Authorization module using NestJS, allowing developers to easily integrate various OAuth providers (e.g., Google, Facebook, Twitter) into their applications.
- Implemented granular user permissions through custom decorators and guards, ensuring fine-grained control over user actions.

Best Tour Destination Search

CODE

- Developed a Tour Search App with Node.js and MongoDB, featuring user authentication with JWT for login, signup, and password reset functionalities.
- The front-end is powered by Pug templates and CSS, while Mapbox is integrated for interactive map services.
- The app provides access to a range of tour-related endpoints, allowing users to discover nearby attractions, access tour listings, create new tours, and manage existing tours effortlessly

Image Caption Generation in Nepali Language

CODE

- Conducted Image Caption generation using the transformer architecture model on a cultural heritage dataset with 2.5k images of 6 heritage sites in Nepal.
- Explored dataset properties, prepared datasets and data loaders, and applied data preprocessing techniques, including data augmentation.
- Implemented interactive UI using reactJS and bookend server to communicate with model using flask.

Reference By

Shisir Paudel

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