

# Er. Binod Adhikari



📍 Kathmandu, Nepal

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## PROFILE

Highly motivated Software Engineer with expertise in JavaScript, TypeScript, Node.js, Express.js, SQL, MongoDB, and more. Proven experience in backend development with a passion for cutting-edge technologies. Adaptable and capable of transitioning to any programming language related to backend development. Strong team player with effective communication and collaboration skills.

## SKILLS

JavaScript, TypeScript

Node.js, Express.js

MS SQL, MySQL

MongoDB, PostgreSQL

Git, Docker

Postman, Insomnia

Jest, Mocha, JMeter

Selenium, BeautifulSoup

OOP

HTML, CSS, React

Machine Learning

GraphQL, Nest JS

Python, Java, C#

## PROFESSIONAL EXPERIENCES

### Black Tech, Node JS Intern [🔗](#)

April 2023 – May 2023 | Pokhara, Nepal

- Developed scalable backend solutions using Node.js, Express.js, and MongoDB, contributing to the successful delivery of web applications.
- Collaborated with a highly skilled development team to design and implement RESTful APIs, enabling efficient data retrieval and manipulation.
- Utilized Git for version control, ensuring seamless collaboration, code integrity, and effective codebase management.
- Gained practical experience in containerization techniques using Docker, enabling efficient deployment and scalability of applications.
- Assisted in the deployment process, configuring and optimizing apps for diverse platforms.
- Contributed to comprehensive manual testing methodologies, ensuring the quality, reliability, and security of software deliverables.

## EDUCATION

### Software Engineering, Nepal College of Information Technology [🔗](#)

2017 – 2022 | Balkumari, Lalitpur

GPA: 3.50

### Plus 2 Science, SOS Hermann Gmeiner Gandaki

2014 – 2016 | Pokhara

Percentage: 68.5%

## PROJECTS

### orgFeeder, An app to get Feature requests, Feedback and Bug report for an organization. [🔗](#)

- Developed a robust backend using Node.js, Express.js, and MongoDB, enabling organizations to receive feature requests, feedback, and bug reports.
- Implemented key features like Feedback, Feature Requests, and Bug Reports, ensuring smooth data management, user engagement, and seamless collaboration.
- Conducted comprehensive unit testing using Jest, employed CI/CD with GitHub Actions, and utilized Docker for efficient deployment and scalability.
- Collaborated within an Agile environment, conducting code reviews, and following best practices to deliver high-quality software solutions

### RestroX, A complete restaurant operating system. [🔗](#)

- Actively contributed by developing comprehensive test cases covering diverse scenarios to ensure the software's reliability and functionality.
- Conducted extensive manual testing of the system, documenting and reporting bugs using ClickUp as our bug tracking tool.
- Closely collaborated with the development team, gaining understanding of the system's requirements and providing valuable feedback to enhance software quality and user experience.

## COURSES

Fusemachines AI Fellowship 2022,  
Fusemachines Inc. [↗](#)

March 2022 – June 2022

A year-long program to train,  
educate, and help create advanced  
AI career opportunities.

## INTERESTS

Reading books, watching movies,  
series, animes and eSports.

### movie-booking [↗](#)

- Engineered robust RESTful APIs for a movie booking application, leveraging Node.js, Express.js, MongoDB, and JWT for secure and seamless user authentication.
- Designed and implemented CRUD operations for movie listings, user bookings, and seat management, ensuring smooth user experiences.
- Demonstrated expertise in data modeling, input validation, and comprehensive error handling to ensure data integrity and application stability.

### Hotel API [↗](#)

- Developed a secure hotel management API using Node.js, Express, and MongoDB.
- Implemented user authentication using JWT tokens to allow registered users to register hotels.
- Employed Jest for testing and ensured data integrity through input validation.

### Digital Voting based on Blockchain, A final year major college project.

Built few APIs using FastAPI for digital vote counting and displaying the results. Used Swagger UI to deal with front end.

### Miscellaneous

- Various backend mini projects utilizing CRUD operations, JWT authentications, express-validations and others important packages.
- Created MERN app to deal with authentication using Vite, Node, Express, React and MongoDB.
- Built simple static site using React and CSS while learning about React.
- Different miscellaneous projects like web scrapping, python scripting, backend APIs, etc. were done while learning them. These projects mostly include the usage of selenium, BeautifulSoup, etc