

Nirjal Paudel

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Summary

Software engineer with **5 years of experience** who loves to solve real world problems and automate the solution. Contributor and maintainer of several open source projects

Computer Skills

Proficient in: PostgreSQL, JavaScript, GIT, MongoDB, Rust, Python, Golang

Frontend: ReactJS, HTML5

Familiarity: Rust, Doppler, Rust, MVC, Clean code, dependency injection, Nginx, Linux, Rest API, GraphQL, VIM

Databases: MongoDB, Redis, PostgreSQL Platform: AWS, Digital Ocean, Heroku

Tools: Husky, ESLint, Prettier, Docker, Kubernetes, Makefile, PNPM, NPM, yarn

Soft Skills: Communication, Cultural Adaptability, Mentoring

Professional Experience

Payment/Subscription, Devops and backend developer for Nutrogen.io

Brisbane, Australia

Oct 2024 - Jul 2025

- Developed and lead the development of subscription module
- Architect and scaled the event driven nature of hierarchical user base
- Developed, scaled and enhanced the existing system for aggregated payment collection for Nutrogen
- Developed work around stripes for features that stripe lacked
- Setup platform using stripe connect

Database, backend, and merchandising developer for morgenland-teppiche.de - Client of Hyteno

Hamburg, Germany

Nov 2021 - Oct 2024

- Accomplished **increased database reliability and scalability**, as measured by consistent uptime and performance improvements, by using AWS Relational Database Service for AWS RDS.
- Enhanced **operational efficiency**, as measured by reduction in manual processing time and error rate, by automating various manual tasks using Python.
- **Boosted query performance** as measured by decreasing search and filtering time from 5 seconds to 300 milliseconds, by optimizing PostgreSQL database.
- **Accomplished streamlined data processing**, as measured by improved accuracy and processing time, by performing global sorting of items using heuristics in a graphed environment.
- **Enhanced team productivity and project delivery**, as measured by successful deployment and reduced setup time, by mentoring colleagues to set up the admin panel in both frontend and backend.
- **Accomplished increased automation and market reach** as measured by faster deployment and integration across multiple platforms, by developing automated pipelines for various markets like Amazon, Otto, and Google merchandising.

Database, cloud, and backend developer for hyteno.com

Paris, France

Nov 2021 - Jan 2024

- Deployed the application in **AWS**
- Used AWS relational database service for Aurora DB
- Firebase Cloud Messaging **notification system** made
- Faster dynamic and most frequently used data in **Redis**
- Managed **payment integration** with stripe.
- **Mentored** colleagues to set up **CI/CD** in both frontend, backend

Database, cloud, and backend developer for SoftShala, Nepal

Kathmandu, Nepal

Nov 2019 - Nov 2020

- Made a video streaming platform with Node.js express.
- Developed TikTok like app
- Video storage with AWS S3 with **CloudFront** CDN enabled.
- Deployment of server with document DB (managed MongoDB service in AWS)
- Video Processing with Amazon SNS was performed using FFmpeg package on a separate service.

Events

Renegade Challenge and Hackathon

Kathmandu, Nepal

Successfully implemented dynamic questionnaire via web sockets

- Integrated IOT devices with Node.js via serial port
- Integrated Twilio for alerting
- Implemented tombstone pattern for mutating data
- Implemented chained data structure like linked list and graph in PostgreSQL
- Implemented weighted graphs for self referencing and foreign referencing tuples

KMITL Workshop

Bangkok, Thailand

A workshop on web development with HTML5 for KMITL University

- Introduced attendees to HTML
- Introduced attendees to CSS
- Introduced attendees to JavaScript

Accomplishment

- Won **International hackathon** organized by **Microsoft**.
- Won **National hackathon** organized by Renegade Insurance, a USA based company with office in Nepal.
- Won **National hackathon** organized by **CSIT association of Nepal**
- Completed **Hacktoberfest Challenge** 3 years in a row