

# Kaushal Karki

Software Engineer

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## PROFESSIONAL SUMMARY

3+ years of experience designing, developing, and deploying scalable web applications using Ruby on Rails, React, and JavaScript. Proficient in RESTful API design, database optimization, and test-driven development (TDD). Skilled in writing clean, maintainable code and collaborating in Agile/Scrum environments. Passionate about solving complex problems and delivering high-quality software solutions. Seeking a challenging role to leverage my technical expertise in backend and full-stack development.

## EDUCATION

- **Master of Computer Application**, G.B.P.U.A.T, Pantnagar - 7.97 CGPA **2019-2022**
- **Bachelor of Science**, Kumaun University, Nainital - 55.8% **2015-2018**

## SKILLS

- **Programming Languages:** Ruby, JavaScript, Python, Java, C/C++, Elixir
- **Libraries and Framework:** Ruby on Rails, React.js, Sidekiq, ORM, JWT, RSpec, Node, Django,
- **Databases:** MySQL, Postgres, Redis, MongoDB
- **Tools:** Git, Bitbucket, Docker, Jira, Jenkins, Grafana, Postman, GCP

## EXPERIENCE

### Maropost

Software Engineer

Mar 2022 – Jan 2025

- Implemented 70+ APIs and resolved more than 150 BSRs in the web application.
- Trained AI model with 8000+ prompts.
- Optimized SQL queries, reducing database response time by 40%
- Implemented robust RSpec test suites, achieving 90%+ test coverage for backend services.
- Designed and documented APIs using Swagger, improving developer experience.
- Mentoring trainees, code reviewing, branch syncing,

### Grey Scientific Labs

Intern

Sep 2021 – Dec 2021

- Experienced in managing application state efficiently using tools like React's built-in state management.
- Familiarity with React's lifecycle hooks to handle component initialization, updates, and cleanup, ensuring optimal performance and behavior of React applications.

## PROJECTS

### Splits (Splitwise Clone)

- Built a full-stack expense-sharing app, allowing users to track shared expenses, manage transactions, and settle balances.
- Developed RESTful APIs to handle user authentication, expense calculations, and settlements.
- Optimized database queries, improving expense-tracking performance..

### AI - Powered Segmentation:

- Developed an advanced segmentation system using OpenAI fine-tuning to generate contextually relevant data segments.
- Improved model accuracy and personalization for email campaigns by training on custom dataset. [Read more](#)

## ACHIEVEMENTS

- HackerRank SQL Certified
- HackerRank Software Engineer Intern Certified