

# RABIN POUDYAL

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## SUMMARY

Experienced Ruby On Rails developer with 4 years of designing, developing, and maintaining large scale applications with 2.5M monthly visitors.

## SKILLS

Ruby(4 yrs), Ruby On Rails(4 yrs), React(1 yrs), JavaScript, Git, Docker, Kubernetes, SemaphoreCI, JQuery, PostgreSQL, MySQL, AWS, DigitalOcean

## WORK EXPERIENCE

### **Ruby On Rails Engineer @ Trip101 Pte. Ltd** [↗](#)

Oct 2019 - Present

*(Trip101 is a company that offers the latest travel guides to visitors all around the world)*

- Designed, developed, and deployed web application using Ruby, Rails, and React.
- Migrated monolithic Rails application from 4.2 to 6.1 by upgrading Ruby, RubyGems, the Rails framework and saved application boot time by nearly 5 seconds.
- Developed a RESTful Review Summarizer API in AWS Lambda to classify reviews into different categories like Host, Cleanliness, Amenities, and Location which increased conversion by approximately 10%.
- Designed a web spider to periodically refresh private accommodations, hotels, and activities from sites like Airbnb, Bookingcom, Vrbo, Expedia etc. using SOLID and Object Oriented Design principles which reduced stale/invalid content by 90%.
- Developed a contextual AI assistant - 'TripBot' using Rasa framework and integrated Twilio and Sendgrid to communicate with users to resolve their travel queries which increased conversion by 5% in the US region.
- Developed a Slack Bot to create a communication channel between Travel Experts and end user in the website.
- Dockerized Rails/Python applications and configured Semaphore CI to streamline deployments, updates, and rollbacks.
- Configured and implemented application monitoring platforms like DataDog (for backend services - Elasticsearch, MySQL) and GTmetrics (for front-end - Core Web Vitals).
- Improved Core Web Vitals performance score from 32% to 90% in Desktop and from 20% to 70% in Mobile by following PRPL pattern, main thread optimisation, prioritizing critical resources, and deferring/lazy-loading below-the-fold resources.
- Installed Wiki.js in Kubernetes for building in-house knowledge base.
- **Environment:** Ruby On Rails, React, RESTful, MySQL, JavaScript, Docker, Kubernetes, Semaphore CI, DataDog, GTMetrix, ElasticSearch, Python, Nginx

### **Software Engineer @ Softronics Banepa**

May 2019 - Sept 2019

*(Softronics Banepa is a web development company based in Banepa, Kavre)*

- Audited and optimised Rails application speed by 30% with database optimisation - (table normalization, indexing, query optimisation), and code optimisation - (fixing N+1 queries, caching, background jobs).
- Migrated Rails Asset Pipeline to Webpack and implemented tree-shaking, CSS purging, code splitting, lazy loading and saved assets bandwidth by nearly 50%.
- Created Google Sheet AddOn to fetch data from external RESTful API service for duplicate content detection.
- Configured ELK stack to visualize custom logs in Kibana.
- **Environment:** Ruby On Rails, MySQL, JavaScript, ELK Stack

### **Intern Software Engineer @ Enliv IT** [↗](#)

Sept 2018 - Apr 2019

*(EnlivIT is a company that specializes in building, designing and branding ideas to a top-notch product)*

- Involved in design and development of a HR management system in accordance with the contemporary taxation law of Nepal.
- Followed Agile Methodology (SCRUM) for this project. Analyzed businesses, Functional Requirements, and design review documents to develop Test Plan for features involved.
- **Environment:** Ruby On Rails, PostgreSQL, React, Redux, Redux Saga, Rspec, JavaScript

## SKILLS, ACTIVITIES & INTERESTS

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**Interests:** Blogging about life, career, and technology on Medium [↗](#), Dev.to [↗](#), and on YouTube [↗](#)

**Projects:**

- **Pt** [↗](#): A command Line app for managing Pivotal Tracker stories using their API
- **Blurhash Ruby** [↗](#): A Ruby gem based on C-extension to generate blurry placeholder image useful for lazyloading.

## EDUCATION

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**Bachelors in Computer Science & Information Technology**  
Tribhuvan University, Kathmandu, Nepal.

*Oct 2014 - Sept 2018*