

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

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

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

Oct 2014 - Sept 2018