

# Prashant Khadka

Baton Rouge, LA

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## Education

**MS in Computer Science**, Louisiana State University, *Baton Rouge, LA*

**Jan 2024 - Present**

**BE in Computer Engineering**, Pulchowk Campus IOE, Tribhuvan University, *Nepal*.

**Oct 2015 - Sept 2020**

## Experience

**Research Assistant at BrBytes**, *LSU, Baton Rouge, LA*

**Feb 2024 - Present**

**Project: BrBytes**, [link](#)

- Implement new design for the BrBytes' website in accordance with WCAG compliance.
- Shell script to create the production build of the website.
- Implement new features, API endpoints, and design for BrBytes' teacher portal.
- Mentor and onboard two undergraduate students in the BrBytes project.
- Review pull requests.
- **Technologies:** HTML, Bootstrap, Alpine.js, dhall

**Software Engineer (Remote)**, *Fetchly Labs, Austin, TX*

**Oct 2023 – Dec 2023**

**Project: Spheric (HR Platform)**, [link](#)

- Developed a comprehensive page for managing hiring steps.
- Resolve production issues and enhance system stability.
- Implement new features, API endpoints, and designs to improve user experience on the Sunada HR platform.
- **Technologies:** Ruby on Rails, Hotwire, Tailwind CSS

**Software Engineer (Remote)**, *Restarone Solutions Inc., Nepal*

**April 2022 – Oct 2023**

**Project: Copper CRM**, [link](#)

- Develop new features and pages for onboarding-user pipeline.
- Fix production bugs.
- Technical scoping and development of "pipeline" entity's creation-template pages.
- **Technologies:** Ruby on Rails, Ember.js

**Project: Violet Rails [Open Source]**, [link](#)

- Develop and maintain CI/CD pipeline using Dokku and Github Actions. [PR link 1](#), [PR link 2](#)
- Implement reCAPTCHA v2 and v3 in API Data Pipeline. [PR link 1](#), [PR link 2](#)
- Modularize users' access to API Data Pipeline. [PR link](#)
- Rectify in-house email system's threading logic by aligning it with Gmail and GitHub standards. [PR link](#)
- Build in-house analytics page. [PR link 1](#), [PR link 2](#)
- Fix memory leak on Violet Rails' analytics page and its load time by fixing N+1 queries, optimizing and reducing SQL queries, and reducing the number of memory object allocations. [PR link](#)
- Technical scoping, time estimation, and development of an e-commerce project by integrating Printify's API. [PR link](#)
- Create Github Issues, Root Cause Analysis (RCA) of different events, and Documentations. [link](#)
- Merged PRs. [link](#)
- Violet Rails Contributors. [link](#)
- **Technologies:** Ruby on Rails, SQL, jQuery, Heroku, Dokku, Github Actions

**Jr. Software Engineer (Remote), Trip101 Pte Ltd., Nepal**

**Jan 2021 – May 2022**

**Project: Trip101 CMS, [link](#)**

- Migrate a microservice written in vanilla JS to React.js for efficient management of the codebase and for scalability purpose.
- Develop Trip101 CMS from scratch and maintain test coverage.
- Third party API integrations for Expedia, Sonder, and The Apartment Network.
- Develop features for admin panel using "activeadmin" gem.
- **Technologies:** Ruby on Rails, SQL, Angular 2+, React.js, jQuery, Vanilla JS

**Associate Software Engineer, Bajra Technologies, Nepal**

**Jan 2020 – Sept 2020**

**Project: OHO E-commerce, [link](#)**

- Categorization and sub-categorization of products in the e-commerce website using "solidus" gem.
- Logic for banner placements throughout the website for advertisement purpose.
- Implement Elasticsearch for searching functionality using fuzzy search logic and filters to further narrow down the results using aggregations through "searchkick" gem.
- **Technologies:** Ruby on Rails, Angular 2+, Elasticsearch

## **Technical Skills**

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- **Programming Languages:** Ruby, JavaScript, Python, SQL
- **Frontend:** HTML, CSS, React, Angular2+, Ember.js, Alpine.js, Bootstrap, Tailwind CSS, Ant Design
- **Backend:** Ruby on Rails, Elasticsearch
- **Database:** PostgreSQL, MySQL
- **CI/CD Tools:** Dokku, Heroku, Docker, GitHub Actions, Shell
- **Testing:** TDD, BDD, Mocking, RSpec, Minitest, Jest, Jasmine, Cypress
- **Tools:** Git, Bash/Shell

## **References**

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- Fernando Alegre, [falegre@brbytes.org](mailto:falegre@brbytes.org), LSU Gordon A. Cain Center for STEM Literacy, Associate Director
  - Michael Huey, [huey@fetch.ly](mailto:huey@fetch.ly), Fetchly Labs, CEO & Technical Founder
  - Shashike Jayatunge, [contact@restarone.com](mailto:contact@restarone.com), Restarone Solutions Inc., Founder
  - Dhurba Baral, [dhurba@trip101.com](mailto:dhurba@trip101.com), Trip101 Pte Ltd., Team Lead
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