

# Prashant Khadka

Baton Rouge, LA

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## Education

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**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

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**Research Assistant at BrBytes**, *LSU, Baton Rouge, LA* Feb 2024 - Present

### Project: BrBytes

- 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)**, *Austin, TX* Oct 2023 – Dec 2023

### Project: Spheric (*HR Platform*)

- Develop 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

- 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]

- Develop and maintain CI/CD pipeline using Dokku and Github Actions.
- Implement reCAPTCHA v2 and v3 in API Data Pipeline.
- Modularize users' access to API Data Pipeline.
- Rectify in-house email system's threading logic by aligning it with Gmail and GitHub standards.
- Build in-house analytics page.
- 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.
- Technical scoping, time estimation, and development of an e-commerce project by integrating Printify's API.
- Create Github Issues, Root Cause Analysis (RCA) of different events, and Documentations.
- **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**

- 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**

- 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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