

Mausam Pun

Software Engineer

Butwal, Nepal

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Summary

Full-stack software engineer with 3+ years of experience building and scaling Ruby on Rails applications across HR, payroll, CRM, and eCommerce domains. Strong backend foundation with hands-on experience in system design, API architecture, and production infrastructure, combined with practical frontend development using Hotwire and modern JavaScript.

Experienced in owning features end-to-end—from understanding requirements and designing systems to implementation, deployment, and production stability. Comfortable working closely with product and design teams to build user-focused solutions and solve real business problems.

Passionate about scalable system design, clean architecture, and building products that improve developer and user experience.

Experience

Software Engineer

Jun 2023 – Present

Truemark Technology, Kathmandu

- Worked across full product lifecycle—collaborating with product managers and designers to translate requirements into scalable Rails-based solutions.
- Designed and developed full-stack features for HR, payroll, CRM, and eCommerce platforms using Ruby on Rails, PostgreSQL, Hotwire, and modern frontend practices.
- Owned payroll and HR modules including salary computation, leave management, tax deductions, and compliance workflows.
- Architected Stripe-based billing and subscription systems with secure webhook handling, idempotent background jobs, and failure recovery mechanisms.
- Designed scalable REST APIs and backend systems for multi-tenant and integration-heavy applications.
- Improved system performance through query optimization, caching strategies, and elimination of N+1 database queries.
- Built asynchronous workflows using Sidekiq and Solid Queue to improve system reliability and background processing efficiency.
- Contributed to frontend development using Hotwire/Turbo, Stimulus, HTML, CSS, and JavaScript to build interactive user experiences.
- Built internal tooling and retrieval-based search systems (RAG pipelines) to improve information access across internal datasets.
- Improved production reliability through CI/CD pipelines, Docker-based deployments, and monitoring/debugging practices.
- Developed and maintained automated RSpec test suites (87%+ coverage) integrated into CI pipelines.
- Maintained and deployed Campsite for internal team communication and collaboration.
- Contributed to system architecture and design decisions focused on scalability, maintainability, and long-term extensibility.

Open Source Contributions

Boring Generators

github.com/abhaynikam/boring_generators

- Extended generator system to support automated setup of commonly used gems, reducing repetitive configuration effort across new projects.

Spree Commerce Ecosystem

spreecommerce.org

- Contributed documentation improvements and maintained multiple Spree ecosystem extensions including QA, Reviews, and related packages.

Projects

Leave Balance HR Platform

leavebalance.com

- Built and contributed across full-stack features for an HR and payroll management platform.
- Designed payroll workflows including salary calculations, leave deductions, and employee management systems.
- Developed scalable APIs, background jobs, and interactive frontend workflows using Hotwire and Rails.
- Contributed to system architecture, feature design, and production deployment processes.

Education

Bachelor in Computer Engineering

2018 – 2023

Institute of Engineering, Tribhuvan University, Nepal

Certifications

AWS Academy Graduate – AWS Academy Cloud Foundations

2022

Core Technologies

Languages: Ruby, JavaScript, Python

Backend: Ruby on Rails, Sinatra

Frontend: Hotwire, Stimulus, HTML, CSS, JavaScript

Databases: PostgreSQL, MySQL, Redis

Async Processing: Sidekiq, Solid Queue

APIs & Integrations: Stripe, Slack APIs, Google APIs

Infrastructure: Docker, AWS, CI/CD

Testing: RSpec, Minitest