

Mausam Pun

Software Engineer

Butwal, Nepal

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Summary

Full-stack software engineer with nearly 3 years of experience building and maintaining production web applications using Ruby on Rails and PostgreSQL. Experienced in designing scalable backend services, REST APIs, and background job systems using Sidekiq and Solid Queue. Worked on HR, payroll, CRM, and eCommerce platforms serving real business operations. Experienced in integrating external APIs such as Stripe and Google services, improving application performance, and maintaining reliable systems through automated testing and CI/CD pipelines. Comfortable working in remote and asynchronous teams, collaborating with product managers, designers, and QA to deliver production-ready features.

Experience

Software Engineer

Jun 2023 – Present

Truemark Technology, Kathmandu

- Designed and maintained backend services powering HR, payroll, CRM, and eCommerce platforms using Ruby on Rails and PostgreSQL.
- Designed and implemented a payroll processing module handling salary calculations, tax deductions, and Nepal taxation compliance.
- Designed and implemented Stripe-based subscription and recurring billing systems, including webhook processing and background jobs for reliable payment synchronization.
- Built a Retrieval-Augmented Generation (RAG) pipeline to process meeting transcripts, customer emails, and CRM data for semantic search and AI-assisted insights.
- Improved production performance by resolving N+1 queries, optimizing ActiveRecord queries, and introducing caching strategies to reduce database load.
- Strengthened system reliability by maintaining automated RSpec test suites with 87%+ code coverage and integrating tests into CI pipelines.
- Integrated Google APIs (Gmail, Contacts, Calendar) to synchronize communication and customer data across systems.
- Maintained and enhanced a Spree-based eCommerce platform with improvements to reviews, Q&A, and shipping functionality.
- Managed containerized deployments using Docker and Kamal for multiple production services, including self-hosted platforms such as Chatwoot.
- Participated in Agile development cycles and peer code reviews to maintain code quality and team collaboration.
- Deployed and customized the open-source Campsite platform for internal communication, resolving deployment issues and improving production reliability.

Education

Bachelor in Computer Engineering

2018 – 2023

Institute of Engineering, Tribhuvan University, Nepal

Certifications

AWS Academy Graduate – AWS Academy Cloud Foundations

Amazon Web Services Training and Certification (2022)

Core Technologies

Languages: Ruby, JavaScript, Python

Backend: Ruby on Rails, Sinatra

Frontend: Hotwire, HTML, CSS, Tailwind CSS

Databases: PostgreSQL, MySQL

Background Processing: Sidekiq, Solid Queue

APIs & Integrations: REST APIs, Stripe API, Google APIs (Gmail, Contacts, Calendar), Slack API

Infrastructure & DevOps: Docker, Kamal, AWS, Reids, CI/CD

Testing: RSpec, Minitest

Tools: Git, GitHub, GitLab