Mehul Jain

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Professional Summary

Results-driven Senior Full-Stack Engineer with 8 years of experience specializing in Python and Ruby. Proven track record of architecting and deploying scalable, high-performance applications from the ground up. Expert in developing data-intensive, customer-facing platforms and integrating diverse third-party APIs to deliver seamless user experiences and drive business growth.

Core Accomplishments

- **Payment Systems Architecture:** Architected and developed a multi-tenant B2B payment platform from scratch, reducing payment processing costs by 15% through a dynamic, local-currency routing system at Emeritus.
- **Search & Data Aggregation:** Led the creation of a cross-application search engine using Elasticsearch, improving search result relevance by 40% and unifying disparate data sources at Spiceworks Ziff Davis.
- **Business Growth Features:** Designed and deployed a promotion and referral engine that directly contributed to a 20% uplift in customer acquisition through targeted marketing campaigns at Emeritus.
- **System Modernization:** Spearheaded the migration of a legacy enrollment system to a modern, scalable platform, resulting in a 30% reduction in processing time and enhanced system stability.
- **Lead Generation Optimization:** Developed a single-page application for on-demand contact suppression, using Pandas to process large datasets from Snowflake and significantly improve lead quality for marketing campaigns.

Technical Skills

Backend:	Python (Flask, FastAPI), Ruby (Ruby on Rails)
Frontend:	JavaScript, React, Vue.js
Databases & Search:	PostgreSQL, MySQL, Elasticsearch, MongoDB
Cloud & DevOps:	Docker, AWS, Kubernetes, Heroku, Github actions
API & Tools:	RESTful APIs, Git, Datadog, New Relic, Sentry

Professional Experience

Member of Technical Staff 1 | Emeritus
Apr 2023 – Present

- Architected and led the development of a multi-tenant B2B payment system and a streamlined guest payment flow from concept to launch.
- Engineered a dynamic currency conversion system that reduced payment processing costs by 15% by routing transactions through optimal local currency gateways.
- Spearheaded the migration of the legacy enrollment system to a modern Enrollment Engine, improving system scalability and reducing processing time by 30%.
- Integrated Salesforce payment processing, creating a seamless data flow that empowered the revenue team with real-time financial insights.

Senior Software Engineer | Emeritus
Apr 2023 – Present

- Developed a dynamic, country-based payment gateway switching mechanism, improving payment authorization rates by 10%.
- Built and deployed a comprehensive promotion and referral engine for B2B and B2C users, contributing to a 20% uplift in customer acquisition.
- Integrated external tax and real-time exchange rate APIs, automating compliance for international transactions and improving invoicing accuracy.

Software Engineer II | Spiceworks Ziff Davis
Jan 2022 – Apr 2023

- Led the development of "Cosmos," a cross-application site search feature using Elasticsearch, improving search result relevance by 40%.
- Designed and implemented a high-performance API client that aggregated data using custom ES scoring algorithms.
- Developed a secure, on-demand contact suppression tool using Python (Flask) and Pandas for data privacy compliance.
- Improved API endpoint latency by 25% through performance analysis with Datadog and implementing caching strategies.

Software Engineer II | Mekari
Mar 2020 – Jan 2022

- Designed and developed the customer-facing self-subscription and promotion management flows for a billing platform using Ruby on Rails.
- Built and integrated secure, scalable REST APIs with a core payment service, ensuring 99.9% uptime.
- Implemented robust API security measures and configured read-replica databases to optimize read-heavy operations.

Software Engineer | Infrrd
Jul 2017 - Mar 2020

- Redesigned the "Loan Inspector" dashboard using React, creating a modular application form that improved data entry efficiency.
- Developed reusable React components and Rails API endpoints, accelerating future development cycles by 20%.
- Engineered a white-labeling system and ensured all pages were WCAG 2.1 AA compliant for accessibility.

Education

B.Tech in Computer Science and Engineering
SRM University, Chennai
CGPA: 9.0/10

Languages

English:	Fluent
Hindi:	Native