

VISHNUPRASAD KAMALON

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Summary

A Senior Software Engineer with over seven years of full-stack experience, specializing in Ruby on Rails and scalable backend microservices, adept at optimizing user experiences and building performant REST APIs. Proven success in enhancing system performance by slashing critical page load times from over 80 seconds to under 5, and significantly improving software quality by expanding automated test coverage from 10% to 40%. Eager to leverage extensive expertise in Ruby on Rails, SQL, AWS, Docker, and CI/CD, coupled with an interest in AI-based technologies, to develop and optimize core applications for a multi-national debt collection platform.

Skills

Languages & Frameworks

Ruby, Ruby on Rails, Python, FastAPI, Flask, Node.js, TypeScript, JavaScript

Cloud & DevOps

AWS, Kubernetes, Docker, Terraform, Jenkins, CircleCI, GitHub Actions

Architecture & Data Systems

Microservices, Event-Driven Architecture, Kafka, RabbitMQ, RESTful APIs, GraphQL

Databases & Storage

PostgreSQL, MySQL, Elasticsearch, Redis, Amazon Redshift

Observability & Monitoring

Datadog, Splunk, Sentry, Grafana, Kibana

Experience

Clark Holding SE
Senior Software Engineer

November 2021 - Present
Frankfurt, Germany

- Led the **integration** of a **third-party AI** bot, boosting in-app appointment bookings by **10%** in Q1 2025.
- Slashed critical page load times from over **80 seconds** to under **5** by diagnosing and re-architecting an inefficient **Redis** data-fetching operation, eliminating request timeouts.
- Overhauled the **CI/CD pipeline** by optimizing **Jenkins** and **Kubernetes** configurations, cutting build times by **40%** and accelerating developer workflows.
- Managed a critical, **zero-downtime migration** of a primary Amazon RDS **PostgreSQL** instance from **v11** to **v13**, ensuring service continuity and data integrity for a core production database.
- Architected a bespoke **Salesforce Marketing Cloud** component to push campaign notifications to the in-app message center, driving higher user engagement with marketing initiatives.
- Developed a **Python-based AI powered CLI** tool leveraging the **LangChain** framework and **Google's GenAI Gemini** to accelerate internal code debugging and command-line assistance.

Synup Digital Private Limited
Software Engineer

May 2019 - November 2021
Bangalore, India

- Contributed to a **15% surge** in product **sales** by developing the core voice-command functionality for Google Assistant, Alexa, Siri, and other major platforms.
- Architected and deployed a scalable, **event-driven** backend with **Kafka** and **RabbitMQ**, and integrated **Elasticsearch** and **Redis** to support a high-throughput **microservices** architecture.
- Constructed a **high-performance reporting** tool using **Amazon Redshift** capable of aggregating and processing over **2 billion records** for business intelligence.
- Strengthened software quality by expanding automated **test coverage** from **10%** to **40%**, which cut production bugs by **20%** and accelerated deployment frequency.

Imeify Private Limited
Co-founder & Technical Lead

July 2018 - January 2022
Kerala, India

- Defined and executed the complete technical strategy, guiding the product from concept to a market launch that attracted over **10,000 users** in the first **90 days**.
- Built the company's full-stack platform from the ground up, creating a **Node.js backend**, a **React admin dashboard**, and a **native Android application (Java/SDK)**.
- Maintained a **99%** crash-free user rate by implementing rigorous testing protocols and a streamlined bug-resolution workflow.

Foradian Teachnologies Private Limited
Software Engineer

July 2017 - May 2019
Bangalore, India

- Owned the **end-to-end development** of critical Fedena **ERP modules**, including Applicant Enquiry and Registration, enhancing the core product for educational institutions.
- Delivered over **50%** of the core **REST APIs** for the Fedena Connect mobile app, establishing a robust foundation for all mobile functionality.
- Dramatically improved system performance by **optimizing complex SQL queries** in the Finance module, slashing data retrieval times from **90 seconds** to under **10 seconds**.

