

VISHNUPRASAD KAMALON

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Summary

Experienced Software Engineer with an 8-year track record of architecting and building scalable systems from the ground up. Demonstrates direct experience in the AI sphere by integrating AI bots, developing AI-powered tools with LangChain, and designing RESTful APIs for high-throughput microservices. Proficient in owning cloud infrastructure on AWS and modernizing CI/CD pipelines with Kubernetes, Docker, and Jenkins to accelerate developer workflows and improve system performance.

Skills

Languages & Frameworks

Python, FastAPI, Flask, Langchain, Node.js, Javascript, TypeScript, Nest.js, Ruby, Ruby on Rails

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.
- Orchestrated a **zero-downtime migration** of the primary Amazon RDS **PostgreSQL** database from **v11** to **v13** utilizing a **Blue/Green deployment** strategy.
- 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 - Backend

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**.

