VISHNUPRASAD KAMALON

FRANKFURT, 60489, GERMANY
(+49) 1773771289
vishnuprasad.kamalon@gmail.com

https://vpk11.github.io | https://linkedin.com/in/vpk11 | https://github.com/vpk11

SUMMARY

Results-Driven Senior Software Engineer with 8 years of experience building scalable applications with Ruby on Rails and Python. Directly drove a 15% increase in product sales and uplifted in-app appointments by 10% through strategic API integrations and feature development. Proficient in designing and deploying solutions in cloud-native (AWS, Kubernetes) and event-driven (Kafka) environments.

SKILLS

Languages & Frameworks: Ruby (Ruby on Rails) , Python (FastAPI, Flask) , JavaScript/TypeScript (Nestjs, Ember.js)

Cloud & DevOps: AWS , Kubernetes , Docker , Terraform , Jenkins , CircleCI , GitHub Actions

Architecture & Data Systems: Microservices , Event-Driven Architecture (Kafka , RabbitMQ), RESTful APIs , GraphQL , WebSockets

Databases & Storage: PostgreSQL , MySQL , Elasticsearch , Redis , Amazon Redshift

Observability & Monitoring: Datadog, Splunk, Sentry, Grafana

WORK EXPERIENCE

Senior Software Engineer | Clark Holding SE, Frankfurt

NOVEMBER 2021 - PRESENT

- Developed and maintained InsureTech (FinTech) software using **Ruby on Rails**, **FastAPI**, **Ember.js**, **TypeScript**, and **PostgreSQL**, contributing to services powering a leading application.
- **Integrated a third-party AI bot** with the Clark app, which uplifted in-app appointments by **10% in Q1 2025**, demonstrating experience in integrating external services and improving product functionality.
- Successfully **migrated** Amazon **RDS** managed **PostgreSQL database** from version **11** to **13** using a **Blue/Green deployment** strategy, ensuring **minimal downtime and data integrity**.
- **Optimized Jenkins** pipeline and **Kubernetes** deployment for the testing environment, **reducing** build time by **40%** and improving development efficiency.
- Engineered a **Python**-based **command-line tool** leveraging the **Langchain** framework and Google's **Gemini GenerativeAI API** to assist with code debugging and command suggestions.
- Engineered custom activity for **Salesforce Marketing Cloud**, enabling Journey Builder to connect with the Clark app, showcasing ability to integrate with partner platforms.
- Improved the performance of slow-loading pages by **optimizing** code and **database queries**, focusing on system usability and maintainability.

- Managed **production** and **staging deployments** using **Jenkins** and performed cloud activities on **AWS** for **CI/CD** processes.
- Developed BDD tests using the **Cucumber** and **Playwright** framework to ensure comprehensive test coverage.
- **Mentored** frontend **engineers** in **Ruby, Python** and **backend architecture**, fostering **knowledge sharing** within the team.

Tech stack included**: Ruby**(Ruby on Rails)**, Python**(FastAPI)**, TypeScript**(Ember.js)**, PostgreSQL, Redis, Sidekiq, Git, Docker, Kubernetes, AWS, Jenkins, Cucumber, Playwright, CircleCI, GitHub Actions, Langchain, GenAI - Gemini API.**

Software Engineer | Synup Digital Pvt Ltd, Bangalore

MAY 2019 - NOVEMBER 2021

- Developed and enhanced software solutions using **Ruby on Rails**, **Flask**, **React**, **GraphQL**, **TypeScript**, and **PostgreSQL**.
- Designed and implemented robust backend systems incorporating **Elasticsearch**, **Redis**, **Kafka**, and **RabbitMQ**, demonstrating experience with **microservices**, **distributed systems** and **event-driven architecture**.
- Built a system to **integrate Trustpilot Auth flow** and its **review API** with the platform.
- Analyzed and **integrated** listing **APIs** such as Google My Business, Facebook, and Bing.
- Introduced **real-time notifications** using Rails **ActionCable** (**WebSockets**).
- Increased overall **test coverage** to **40%** using **RSpec** and **MiniTest**.
- Developed a **reporting tool** using **Amazon Redshift** on **2 billion** records.
- Managed the billing module and **integrated Chargebee** with the platform.
- Played a core developer role in making the product **voice-ready** for Google Assistant, Bixby, Alexa, Cortana, and Siri, **resulting in a 15% increase** in product **sales** in Q4 2020.

Tech stack included**: Ruby**(Ruby on Rails)**, Python**(Flask)**, TypeScript**(React)**, PostgreSQL, Redshift, Elasticsearch, Redis, GraphQL, Kafka, RabbitMQ, Sidekiq, Git, AWS, CircleCI, GitHub Actions.**

Software Engineer | Foradian Technologies Pvt Ltd, Bangalore

JULY 2017 - MAY 2019

- Designed and **developed** key **features** for the **Fedena ERP**, including Applicant Enquiry, Applicant Registration, and Transfer Certificate modules.
- Designed and built **REST APIs** for the Fedena Connect mobile application.
- Wrote and **optimized complex SQL queries** within the Finance module for fee calculation, fine application, and discount management based on institutional rules, working extensively with **MySQL**.

Tech stack included: **Ruby on Rails, MySQL, JavaScript, HTML5, CSS, Git.**

EDUCATION

Bachelor of Technology in Computer Science and Engineering

LBS College of Engineering, Kasaragod (Kannur University)

JULY 2013 - MARCH 2017

PERSONAL PROJECTS

LoweCLI:

GenerativeAI powered command line tool to assist developers with code debugging, command suggestions, document lookup and more.

Tech stack: Python, FastAPI, GenAI - Gemini AI(LLM), Retrieval-augmented generation(RAG).

https://github.com/vpk11/lowe-cli

ATScribe:

GenerativeAI powered ATS compatible resume generator command line tool.

Tech stack: Python, GenAI - Gemini AI(LLM), Ollama.

https://github.com/vpk11/atscribe

PyVaccineTracker:

Python app to check covid vaccination slot availability and publish the result to a Telegram group.

Tech stack: Python, Telegram API, Telegram Bot.

https://github.com/vpk11/PyVaccineTracker

INTERESTS

- Exploring Generative AI & Open-Source Tools.
- Mobile Development.

LANGUAGES

- **German** - *Basic*
- **English** - *Fluent*
- **Malayalam** - *Native*