PRINCE KUMAR

workmailprince@gmail.com · +919264935982 · LinkedIn · Portfolio

WORK EXPERIENCE

Varank Tech Pvt Ltd (VeSimplify)   Mumbai, India
Software Engineer   January 2023 - Present

Core Product Engineering

- Designed and developed **RESTful APIs** and microservices for B2C and B2B Spring Boot applications, implementing **Spring Security** for secure access control.
- Worked in an **Agile** environment, designing high-level architecture and API specifications with sequence diagrams, class diagrams, and database schemas..
- Contributed to the **Travlinq Travel Search and Booking** platform by building and integrating **JSON-based APIs** for core travel operations.
- Handled the **Air Booking Refund** framework, including refund calculations and multi-level approval workflows for the Corporate Self-Booking Tool.
- Integrated **OAuth 2.0** with internal business authentication and gained front-end exposure using **AngularJS**, **Node.js**, and **TypeScript**.
- Optimized API performance through **multithreading enhancements**, reducing average response time by **15%** and strengthening overall **API security**.

Supplier API Integration

- Gained hands-on experience in integrating travel supplier APIs using both JSON and XML formats, including Rayna Tours, Brodgify, Hotelbeds for sightseeing, and Verteil for air suppliers, along with exposure to Amadeus APIs. Developed a strong understanding of travel supplier API documentation, workflows, and integration processes.

AI Workflow Design and Implementation for Travel Solutions

- Designed and developed a **GenAI**-powered agentic travel application enabling end-to-end search-to-book functionality for air and hotel services. Acquired in-depth knowledge of Generative AI concepts, including **prompt optimization** and **model performance tuning**.
- Gained hands-on experience with open-source **LLM**-based agentic AI frameworks such as **LangChain** and **LangGraph**, with strong understanding of **multi-agent** architectures featuring long-term memory support.
- Implemented Retrieval-Augmented Generation (**RAG**) for contextual business responses, integrated tool calling for internal system interactions, and applied structured output techniques for controlled LLM responses.
- Utilized **LangSmith** for effective debugging, monitoring, and testing of AI workflows.
- Optimized LLM inference workflows to reduce token usage and achieved a **25% cost reduction** in overall model operation.

OTHER ACQURIED SKILLS

Languages & **Database**:   Python, Java, C++, PostgreSQL, NoSQL DB(MongoDB), HTML, CSS
Tools & **Technologies**:   Docker, Android, Kubernetes, Nginx, Git, Apache Tomcat, Linux, Kafka, Redis, FastAPI, CI/CD (Jenkins), Tensorflow, ElasticSearch

EDUCATION

Dr. APJ Abdul Kalam Technical University, Lucknow   Lucknow
B.Tech Computer Science *GPA: 8.15*   August 2019 - July 2023

ACHIEVEMENTS & CERTIFICATIONS

- Oracle Cloud Infrastructure Certified DevOps Professional
- Oracle Cloud Infrastructure Certified Generative AI Professional
- Check out Google Cloud Skill Badge
- Hackerearth Campus Ambassador
- Digital Forensics Certification