

Sakthisaran S

Software Engineer – Mondee AI Labs



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CAREER OBJECTIVE

As a passionate and driven software engineer with 1 year of professional experience at Mondee, I aim to leverage my expertise in backend development using Java and Python, coupled with my skills in DevOps tools like Docker, Kubernetes, and Jenkins, to design and deploy robust, scalable, and efficient software solutions. With a strong foundation in cloud-based architectures and microservices development, I aspire to contribute to innovative projects that streamline operations and enhance user experiences. I am committed to continuous learning and adapting emerging technologies to drive success in dynamic and challenging environments.

SKILLS

1. Java (Spring Boot), React JS
2. Docker & Kubernetes, Linux, Jenkins
3. Python (Flask, OpenCV, TensorFlow, Telebot)
4. MongoDB, Redis
5. Micro python (IOT)

PROFESSIONAL EXPERIENCE

- **Software Engineer – Full Time in Mondee AI Labs (JAN 2024 To Present)**
 - **Aurak Library: -**
 - **Technology Used:**
 - **JavaScript:** Utilized to implement the core logic of the chatbot.
 - **Description:**
 - Designed and developed a library room booking chatbot to facilitate room management and bookings based on slot availability.
 - **ABHI Travel Assistant: -**
 - **Technology:**
 - **Spring Boot (Java):** Developed a Spring Cloud Gateway to manage and route network traffic among internal microservices.
 - **Docker:** Utilized for containerizing Spring Boot microservices.
 - **Python:** Developed an automated private LLM (Large Language Model) training script and an analysis tool to debug and generate developer-specific documentation in a no-code platform.
 - **JavaScript:** Utilized to implement the core logic of the chatbot, especially for processing API response, formatting and building HTML document on top of the purple cloud platform, building flow bots, etc...

▪ Description:

- Developed an AI-powered chatbot to assist travellers in creating travel itineraries for domestic and international trips, including booking hotels, flights, and restaurants
- Automated the LLM training process using Python, leveraging data from Viator.
- Designed and implemented a microservice to optimize travel itineraries based on travel time, distance, and available time slots.
- **Software Engineer - Intern in Purple Grids (12th September 2023 – 30th December 2023)**
 - Developed a customer engagement chatbot using an integrated no-code development platform.
 - Leveraged AI models to analyze user interactions and optimize chatbot performance.
 - Integrated IBM Watson to interpret user intent and dynamically guide users through chatbot workflows.

ACADEMIC QUALIFICATIONS

EDUCATIONAL QUALIFICATION	INSTITUTION	UNIVERSITY AND BOARD	YEAR OF PASSING OUT	PERCENTAGE
B.Tech - IT	K S Rangasamy College of Technology, Tiruchengode.	Anna University	2023	83.5%

HANDS ON EXPERIENCE

- **AI-Powered Personal Voice Assistant:**
 - Developed an AI-driven personal voice assistant using Python, powered by the Google PaLM AI model.
 - Enabled seamless interaction and control of personal computers through voice commands.
- **Facial Recognition Door Lock System:**
 - Designed and implemented a secure facial recognition door lock utilizing Raspberry Pi 4 and TensorFlow.
 - Leveraged a neural network to process facial data and integrated the system with a Telegram bot, providing users with remote control capabilities
- **Microservices Architecture for GPS Tracker Management:**
 - Architected and implemented a microservices-based GPS tracker management system with JWT token-based authentication for secure communication.
 - Successfully deployed the system on Kubernetes using Jenkins, ensuring scalability and reliability.
 - Developed multiple endpoints for tracker control and data handling, and deployed a React-based user interface within the Kubernetes cluster for real-time monitoring and interaction.

CERTIFICATIONS AND COURSES

- AZ-900(AZURE FUNDAMENTALS), MICROSOFT, March 2023
- JAVA (BASICS) certification on Hacker Rank

HACKATHONS PARTICIPATED

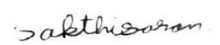
- **TN POLICE HACKATHON – 2022 (WINNER – 1st PRIZE)**
 - Proposed and demonstrated an intelligent tracking system for searching for a victim using public cameras.
 - The idea behind the system is to form a cluster with the public camera feeds and analyse the feed from the cameras with the neural network to improve the search accuracy.

AREA OF INTEREST

- Backend
- Devops
- IOT

DECLARATION

Hereby affirming the accuracy, truthfulness, and completeness of the provided details to the best of knowledge and belief.


signature