

SHASHANK RAVI

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TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL.

Technologies & Tools: AWS, S3, Spring Boot, Docker, Kafka, PHP Laravel, Kubernetes, Azure.

EDUCATION

LAURENTIAN UNIVERSITY

Master of Science in Computer Science.

Sudbury, ON, Canada
September 2023 - December 2024

NATIONAL INSTITUTE OF ENGINEER

Bachelor of Engineering in Computer Science and Engineering

Mysore, KA, IN
August 2016 – May 2020

WORK EXPERIENCE

MERAGO HEALTHCARE.

Backend Software Developer

Java, Git, Rest API, Databricks, SQL, Azure

Bangalore, KA, IN
May 2021 – May 2023

- Created and upheld scalable Java applications by utilizing the Spring Boot framework, guaranteeing optimal performance.
- Optimized application's API performance by 30% using a microservices architecture and Redis caching improving data processing speed.
- Architected and implemented secure, scalable, and maintainable RESTful APIs using Spring Boot.
- Implemented robust data quality checks and validation processes within data pipelines, ensuring the accuracy and reliability of organizational data, leading to a 15% improvement in data integrity and minimizing errors in downstream analytics.

COGNIZANT TECHNOLOGICAL SOLUTIONS PVT

Program Analyst

Python, Java, Git, Jenkins, PHP, Selenium.

Bangalore, KA, IN
January 2020 – May 2021

- Architected and delivered comprehensive Java code solutions, including business layers, interfaces, services, and stored procedures.
- Agile enthusiast with TDD mindset, and hands-on in JUnit, TestNG, and Mockito for crafting tests that ensure quality code across iterations.
- Expert in distilling functional & technical requirements, bridging stakeholder vision with clear, actionable specifications.
- Fulfilled multiple ad hoc reporting requests by querying, aggregating, and analyzing large amounts of unstructured data (SQL) and making compelling dashboards; Presented the insights to various stakeholders.

PROJECTS

Cloud monitoring app - Python, Google Cloud (GCP), Kubernetes, Docker.

- We develop a cloud-monitoring app in Python, and containerize it using Docker. Then we create a container registry (ECR simulated here). Deployed the app on Kubernetes and accessed it through a web browser.

Inventory Assistant Chatbot - Python, Lang chain, Google PaLM, StreamLit, MySQL, HuggingFace ChromaDB

- Developed a bespoke chatbot using Google PaLM and integrated Lang Chain for advanced natural language processing, enabling the e-commerce store to address inventory inquiries with precision.
- Implemented Few-Shot Learning techniques and harnessed the capabilities of Chroma DB to enhance the chatbot's accuracy, reducing the risk of erroneous responses by more than 40%.
- Built an intuitive front-end using Stream lit, allowing users to effortlessly input inventory questions and receive instant, accurate responses from the chatbot.