

Kaspa Manikanta Sai

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SUMMARY

Results-driven Software Engineer with 3 years of experience in backend development, microservices architecture, and cloud deployment. Strong expertise in Java (11/17), Quarkus, Spring Boot, and RESTful API design, with proven success in modernizing legacy applications and developing scalable, high-performance distributed systems. Hands-on experience with AWS services (Lambda, S3, EC2, SQS, Cassandra, CodePipeline) for cloud infrastructure and deployment automation. Exposure to Keycloak (authentication/authorization), Docker (containerization), and Microsoft Azure (CI/CD pipelines) through past projects. Adept at delivering secure, reliable, and maintainable solutions in agile environments.

EXPERIENCE

Associate Software Engineer, Xebia

Jul 2023 - Present

- Modernized a legacy Java application by upgrading to Java 11/17, improving performance, security, and maintainability.
- Refactored a monolithic application into microservices architecture using Quarkus, delivering scalable, high-performance services and RESTful APIs for seamless frontend integration.
- Implemented asynchronous data synchronization with Amazon SQS queues to update a secondary database, ensuring reliability, fault tolerance, and eventual consistency.
- Developed backend services for a mobile application in Java, integrated with an Angular frontend, including modules built without third-party libraries.
- Gained hands-on experience with AWS and Python, including Lambda, S3, EC2, Cassandra, SQS, CodePipeline, and a Python application to fetch data from databases and upload to S3, enhancing cloud automation skills.

Engineer Trainee, Xebia

Aug 2022 - Jun 2023

- Implemented authentication and authorization by researching and evaluating Keycloak, enabling secure, centralized identity management.
- Developed RESTful services using Spring Boot with PostgreSQL, optimizing data persistence, query performance, and scalability.
- Containerized applications with Docker and deployed on Microsoft Azure via GitHub Actions CI/CD pipelines, while exploring Spring Cloud microservices concepts including API Gateway and Service Discovery for scalable, fault-tolerant distributed systems.

PROJECTS

Credence

- Credence is a user-friendly financial tool engineered to streamline your financial management experience. Using Credence, you can easily input and structure your financial transactions, granting you a transparent overview of your monetary interactions.
- Built the application using React, Typescript, Spring Boot and Postgres.
- URL: <https://github.com/ShivasaiPothuganti/credence>

E-Commerce

- Developed a dynamic e-commerce platform using JSP and Servlets following the MVC architecture. Used Java for the programming and MySQL for the database.
- URL: <https://github.com/ManikantaSai55555/OnlineStore>

EDUCATION

B. Tech, Computer Science And Engineering

CMR Institute Of Technology

Aug 2019 - Jun 2023

GPA: 8.6

Intermediate, MPC

Narayana Junior College

Jun 2017 - Mar 2019

Percentage: 92.4

10th Grade, SSC

Bhashyam High School

Jun 2016 - Apr 2017

GPA: 9.3

SKILLS

Programming Languages : Java, Python

Frameworks: Quarkus, Spring Boot, Angular, React

Database: PostgreSQL, MySQL, Cassandra

Cloud services: AWS(Lambda, S3, EC2, RDS)

Achievements

- Finalist, Xebia Techathon built an internal AI bot for employee grievance lodging.
- 1st Place, LogIQ coding competition at CMR Institute of Technology.