

Supriya Kankati

Mountain View, CA | 6696493107 | supriyakankati2@gmail.com
linkedin.com/in/kankati-supriya

PROFESSIONAL SUMMARY

- Versatile Full Stack Developer with 3.5 years of experience in Java, React, Spring Boot, and Microservices, specializing in building scalable, high-performance applications for enterprise environments.
- Proficient in Agile development methodologies, driving efficiency in CI/CD pipelines and ensuring seamless cloud deployment using tools like Docker and Jenkins.
- Expertise in cloud computing platforms including (Azure, GCP, AWS) with a strong background in web technologies, RESTful APIs, and modern frontend frameworks like Angular.
- Skilled in leading projects, optimizing performance, and effectively communicating with both technical and non-technical stakeholders in enterprise environments.
- Passionate about software quality, with expertise in test-driven development, unit testing, and fostering best practices in shift-left development for early detection of issues, especially in complex enterprise solutions.

EDUCATION

Master of Science, Engineering

Aug 2022 - Dec 2024

San Jose State University, San Jose, California

- Cloud Computing, Machine Learning, NoSQL, Database Management, Distributed Computing, Statistical Methods, Data Mining, Big Data Technologies.

Bachelor of Science, Computer Science

June 2016 - May 2020

Osmania University, Hyderabad, India

- Data Structures and Algorithms, Computer Architecture, Databases, Big Data and Data Science, Software Engineering.

TECHNICAL SKILLS

- **Languages:** Java, C/C++, JavaScript, TypeScript, SQL, HTML, CSS, ABAP.
- **Frameworks/Libraries:** CDS, Spring Boot, Express.js, Hibernate, React, Angular, Github, Node.js, JavaFX.
- **Java Technologies:** Java EE, JPA, Multithreading, OSGi.
- **Databases:** MySQL, PostgreSQL, Google Cloud SQL, MongoDB, AEM's Java Content Repository (JCR), CRUD.
- **Cloud/DevOps:** Microsoft Azure, Google Cloud Platform (GCP), AWS, Docker, Kubernetes, Jenkins, Google Cloud Build.
- **Testing:** JUnit, Mockito, Selenium, TDD practices
- **API Technologies:** RESTful APIs, SOAP Web Services.
- **Methodologies:** Agile, Scrum, SAFe (Scaled Agile Framework).
- **Other:** Microservices Architecture, Agile methodologies, Shift-left development.

WORK EXPERIENCE

Software Engineer, Accenture

Jun 2020 - Jul 2022

- Led **backend** development using **Java** to design and optimize **server-side** processes, improving **system performance by 30%** and scalability.
- Ideated and implemented a custom application for the **PIX project**, focusing on efficient, **scalable code** to enhance project reliability and system performance.
- Developed **frontend** interfaces with **Angular** and **HTML**, improving **page load speed by 30%** and increasing **user engagement by 20%** due to a more responsive, intuitive UI.
- Conducted comprehensive **unit and integration testing** to ensure smooth application performance, proactively identifying and addressing potential issues to maintain **system reliability**.
- Collaborated with cross-functional teams including product managers and **UX designers** to align development objectives with business goals, ensuring cohesive product delivery.
- Utilized Java and **Core Data Services (CDS)** for backend development, supporting the SAP EPD Collaboration **F1 Team** and ensuring system efficiency and scalability in enterprise-level applications.
- Led **bug tracking** and resolution efforts using **Jira**, reducing defect rates by **35%** through proactive **quality assurance** and ensuring system stability during the testing phases.
- Performed **API testing** with **Postman**, conducted manual **SUPA measurements**, and **bug fixing** to ensure the accuracy and functionality of system integrations.
- Led test-driven development(**TDD**) and best practices to optimize software quality, ensuring consistent production-level results.
- Participated actively in **Agile ceremonies**, contributing to **sprint planning**, stand-ups, and retrospectives.

Java Developer, Client, Stericycle

Jan 2019 - May 2020

- Ideated and Implemented **RESTful APIs** using **Java, Spring Boot** and Azure Functions, improving database access efficiency by 40% for multiple teams.
- Streamlined **data operations** by implementing **CRUD functionality**, reducing query response time, and enhancing backend performance.
- Built **CI/CD pipelines** using **Docker, and Jenkins pipelines**, cutting deployment time by 50% and ensuring consistent **cloud deployment** on **Azure** Functions.
- Developed a **React-based** frontend using **JavaScript**, enhancing user interaction speed by 35% and improving platform responsiveness.
- **Integrated** the React frontend with **RESTful APIs**, increasing data retrieval efficiency and boosting user accessibility.
- Implemented asynchronous tasks and optimized **server-side performance** using **Node.js**, reducing latency by 45% during peak loads to handle **HTTPS requests** efficiently.
- Developed backend functionalities in **Java**, improving system reliability and reducing **error rates**.
- Optimized Angular and **HTML** frontend components, reducing page load time by 30% through efficient code structuring and asynchronous loading, ensuring a smoother user experience.
- Conducted comprehensive **unit, integration testing** and **automated testing using selenium**, increasing code coverage, and reducing production bugs.
- Collaborated with product managers and **UX designers** to align development objectives, resulting in a 25% reduction in feature development cycle time.
- Designed and implemented **Microservices architecture** using Java, Spring Boot, and Azure Functions, enabling modular, scalable solutions that improved system maintainability and reduced service deployment time by 40% across multiple teams.
- Coordinated with **cross-functional teams**, ensuring cohesive product delivery, and achieving a 15% increase in overall project efficiency.

PROJECT EXPERIENCE

Pharmaceutical Drug discovery applications using AI/ML

Apr 2024 - Present

- Technologies: MATLAB, Python, GPU-CUDA.
- Project Repo: <https://github.com/Supriyakankati/Optimization-of-Protein-Ligand-Molecular-Docking-using-AI-ML>
- Developed a machine learning model to predict binding affinities, providing a data-driven approach to streamline and enhance the drug discovery process. By leveraging large-scale datasets of known protein-ligand interactions, the model was trained to identify patterns and key features influencing binding strength.

JavaFX-Starbucks Application

Aug 2023 - Dec 2023

- Technologies: Java, Maven 3.6.0, GIT, JavaFX SDK UI.
- Project Repo: <https://github.com/Supriyakankati/JavaFX-Starbucks>.
- Created a Starbucks Application simulates the operations of a Starbucks coffee shop, making use of Object-Oriented Programming (OOP) principles to model various functionalities of Starbucks stores. It is a Maven project implemented using the JavaFX user interface (UI).
- Managed source code and version control using Git, creating branches, merging changes, and resolving conflicts to maintain code integrity and collaboration efficiency.

Netflix Clone Application- CI/CD Deployment

Sep 2022 - Dec 2022

- Technologies: Jenkins, SonarQube, Trivy, Docker, Kubernetes and Grafana.
- Automated the Jenkins CI/CD pipeline stages for the project, including the source code integration from GitHub, docker image generation, vulnerability scanning with trivy, orchestrated deployment on k8 cluster and monitoring stage on Grafana.
- Executed Docker image management within Jenkins, integrating seamlessly with Docker Hub for streamlined deployment.
- Implemented monitoring with Prometheus and Grafana, ensuring real-time visibility into key performance metrics for the Netflix Clone application.