

Sai Rakesh Pokala

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Technical Summary

- Around 4 years of experience as a **Java Full Stack Developer**, with diverse expertise in analysis, design, software development, and implementation of web-based applications.
- Skilled in Java programming and well-versed in object-oriented design principles (OOPs), Gained extensive experience with various frameworks, including **Hibernate**, Spring JDBC, Spring JPA, Spring AOP, Spring Actuator, **Spring Security**, **Spring Batch**, **Spring Boot**, **Redis for caching**, and **RESTful Microservices**.
- UI Front-end experience in developing applications using **React and Angular frameworks**. Proficient in HTML, CSS, JavaScript, & TypeScript, with a focus on components, state management, & performance optimization.
- Throughout my experience, all the projects which I have worked on are under **Agile project management**. Engaged in daily scrum standup meetings, I actively contributed to discussions on sprint progress, technical challenges, issue resolution, ensuring smooth project execution and alignment with team objectives.
- Experience with **Jenkins** as a CI/CD tool for automating builds, continuous integration, and deployment processes, ensuring the application is error-free throughout. Proficient with Sonar for code quality analysis.
- Used **Python**, specializing in data analysis and developing automation scripts to optimize data processing and enhance workflow efficiency, employing various data manipulation and analysis libraries.
- Well-experienced in **Test-Driven Development (TDD)** using JUnit and Mockito for unit testing and integration tests. I have experience in writing automation tests using Cucumber with Gherkin syntax to create clear, **Behavior-driven development (BDD)** scenarios for end-to-end testing. Involved in testing, fixing defects during the QA phase, supporting QA testing, troubleshooting defects, and identifying the source of defects.
- Proficient in coding for developing dynamic **Jasper Reports**, producing PDFs for various documentation and reporting requirements, and generating comprehensive CSV reports for data analysis and processing.
- Expert in developing clear documentation for system designs, user stories, and code functionality.
- Grip over Multithreading, TCP-IP protocols, Cloud Computing and Windows, & Linux OS Troubleshooting.
- Certified in Microsoft Azure AZ- 900 Fundamentals. Certified in [AWS Cloud Practitioner](#). Experience in practical implementation of cloud-specific AWS technologies including Elastic Compute Cloud (EC2), Cloud Storage - Simple Storage Services (S3), ECS, CloudWatch, Route 53, Internet Gateway, VPC, Lambda.
- Engaged in Distributed Computing systems, harnessing the power of **Apache Kafka and Spark** for efficient Big Data processing and analytics. I've had initial experience in exploring its basic components like topics, partitions, and brokers. I worked on developing simple Kafka producers and consumers.
- Proficient in **Go (Golang)**, with experience in building concurrent applications using goroutines and channels and implementing RESTful APIs to handle high-throughput data processing efficiently.
- Strong grasp of **asynchronous programming** using callbacks, promises, and async/await, enabling efficient handling of I/O tasks, database access, and API calls.
- Excellent communication, leadership, decision making, problem-solving, and analytical skills with attention to detail, can manage multiple projects, eager team collaborator with the flexibility to excel working independently.

Technical Skills

- **Programming & Scripting Languages:** C, Java (J2EE), Golang, JavaScript, TypeScript, MATLAB, Python.
- **Domain / Functional Knowledge:** Healthcare, Insurance, Capital Markets, Telecommunication, Ecommerce.
- **Frameworks and Libraries:** GraphQL, Spring, Log4J, Hibernate, JSF, JPA, Node.JS, Apache Camel, Angular, React.js
- **Web and UI Technologies:** HTML, CSS, JSP, XML, SOAP, JSON, Apache FTL, jQuery.
- **DevOps:** CI/CD (Jenkins, Git, Maven, Sonar, Bitbucket, GitLab, Gradle, AntBuilds), Docker, Kubernetes, Splunk
- **Application Servers:** Apache Tomcat, IBM WebSphere
- **Platforms and Code Versioning Tools:** Rabbit MQ, Figma, Toad, DBEaver, Postman, FileZilla, Maven, Gradle, GitHub, Gitlab, Bitbucket, PowerShell, Tortoise SVN.
- **RDBMS SQL / NOSQL Databases:** Oracle DB, MySQL, MariaDB, PostgreSQL, Mongo DB.
- **IDE & Project Management:** Eclipse, VS Code, IntelliJ, Agile Methodologies, Confluence, JIRA
- **Security:** OAuth, JWT, Spring Security
- **Microservices:** Design and Implementation, API Gateway Integration
- **Testing Frameworks:** Mockito, Jasmine, Karma, Cucumber

Work Experience

Software Engineer Intern

August 2024 - Current

YSAT Solutions

- Develop and test webservices using Java 17. Assist in their R&D work on Chatbot development which involves refining training datasets and optimizing the chatbot's ability to generate human-like responses.

Senior Java Developer

August 2021 – Dec 2022

Infosys

- Assigned to the Digital Marketing team for LG Electronics, focusing on business enhancements and code development utilizing SQL, CSS, JavaScript, Java, FTL, Node, and JSON.
- Developed batch processing modules using the Spring Batch framework, managing multiple database setups. Deployed the application on AWS, leveraging various services for scalability. Developed custom command-line tools in Golang to automate deployment tasks, improving the efficiency of batch processing workflows.
- Fixed UI bugs in Angular 11 applications, ensuring a seamless user experience and consistent functionality across different browsers and devices. Migrated key functionalities from FTL and JSP to AngularJS, enhancing the front-end architecture and application performance.
- Maintained unit tests with Jasmine and Karma for Angular applications, covering components, services, and asynchronous operations. Improved test coverage by 30% and ensured the stability of key features through regular automated testing during development.
- Designed and implemented a high-concurrency chat application using Node.js. Optimized event handling to improve server response time by 50% and reduce memory usage under heavy traffic.
- Facilitated the setup of client products on third-party platforms like Google Merchant Center (GMC) through API integration and code optimization. Enhanced batch module performance, resulting in client commendations for improved website performance and substantial increases in GMC sales.
- Developed REST API services for Automatic Emails and Internal Notifications, implemented integration tests and Junit test cases using Mockito, and worked on Jasper reports.

Software Engineer

June 2019 – August 2021

Wipro Limited

- I started as a project engineer in the Healthcare domain, acquiring extensive domain knowledge. One notable project involved Python-based automation, where I refined resources and conducted data analysis.
- Worked as a Full Stack Developer on Wipro's MedAdvantage360 and Member360 project, a BPaaS platform that supports healthcare plans including Medicare Advantage, Part D, Medicaid, & MediGap lines of business.
- Developed and enhanced web applications using React.js, Redux for the front end and built scalable microservices on Spring Boot to support the platform's functionality for managing healthcare plans and services efficiently. Crafting web services and REST APIs over Spring Boot using Spring Security and Hibernate ORM, seamlessly integrating them with client services.
- Developed React components and integrated them with backend services via RESTful APIs using Axios. Ensured seamless data flow and user interaction by utilizing advanced JavaScript (ES6+) features such as Promises, async/await, and destructuring.
- Worked on tuning the Resiliency and fault tolerance for the application with resilience4j and Hystrix. I ensured robust documentation through Swagger and spearheaded the development of a JWT Authentication module.

Education Qualifications

University of Missouri-Kansas City

Master of Science in Computer Science (Spec. in Software Engineering & Data Science)

Jan 2023 - May 2024

CGPA: 3.6/4

Jawaharlal Nehru Technological University

Anurag Group of Institutions – Hyderabad, India

Bachelor of Technology in Electronics & Communications Engineering

Aug 2015 - May 2019

CGPA: 8.89/10 [Verified](#)

Academic Project / Research Details

- Nine Men Morris Digital Board Game : Developed Nine Men Morris Digital Board Game based on Java and Java FX following software development life cycle and AGILE methodologies. [Git](#)
- Cloud based Real Time Traffic Monitoring : The goal of this project is to build a cloud-based traffic analysis system that can analyze the traffic data from historic data and current traffic data. The big data is processed through Kafka and analyzed through Spark framework to provide the analysis. [Git](#)
- College Chatbot: Developed the student chatbot app using NLP, TF-IDF, Cosine similarity & Flask. [Git](#)
- Proxy in Linux : Implemented various forward and reverse proxies like SQUID, HAProxy, nginx, proxy through environmental variables in Linux OS.
- Quantum Safe Algorithm – XMSS for payment security : Demonstrated the XMSS as a quantum safe contestant for the use in payment security data communications.