**Satya Kanukollu**

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**PROFESSIONAL SUMMARY**

* Over 7**+ years** of experience as a **Full Stack Developer** in **Analysis**, **Design**, **Development**, Implementation, and Maintenance of applications using **Java/J2EE** Technologies like **JSPs**, **Hibernate**, **Spring, Spring Boot,** and **JPA** with knowledge of **SDLC** concepts.
* Strong experience in all the phases of **software development life cycle (SDLC)** including requirements gathering, analysis, design, implementation, deployment, and support.
* Hands-on experience in design and development of Desktop applications using **multi-threading** using **Executor Services, lambda expressions** with **Java 8.**
* Experience in designing and implementation of multi-tier applications using **Java, J2EE, JDBC, JSP, JSTL, HTML, JSF, Spring, JavaScript, JavaBeans, CSS, EJB, XSLT, JAXB.**
* Experience in **Spring Boot** which is radically faster in building cloud **Micro-services** and develop **spring- based** applications with very little configuration.
* Have experience in Software Development Processes like **SDLC, Waterfall, Test Driven Development (TDD),** Iterative and Agile Methodologies.
* Designed and developed cloud native applications on **GCP**.
* Experience in cloud services using **AWS** and **GCP**.
* Configure and manage **GCP** services such as **AppEngine**, **cloud storage**, cloud functions, cloud run services**.**
* Excellent communication, interpersonal and analytical skills and a highly motivated team player with the ability to work independently.
* Ability to learn and adapt quickly to the emerging new technologies and paradigms.
* Strong background, experience with open-source technologies, cloud platforms and all tiers of distributed-system development.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Programming Languages:** | C, Python, SQL, Java, MATLAB |
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| **Cloud Technologies:** | AWS, S3, EC2, RDS, Redshift |
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| **Web Based Technologies:** | HTML 5, CSS 3, XML, JavaScript, Angular.JS, React.JS, AJAX, jQuery |
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| **Database:** | MySQL, Oracle, Hadoop, Apache HBase, MongoDB |
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| **Frameworks:** | Spring, Spring Boot, Hibernate, MVC |
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| **Analytical Tools:** | Teradata, Big-Data Tools (HDFS, Hadoop, Sqoop, Hive, HBase, Spark) |
|  |  |
| **ETL Tools:** | Informatica, Oracle Warehouse builder, SSIS |
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| **Data Visualization Tools:** | QlikView, Qlik Sense, Tableau, Informatica, Excel, Power BI |
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| **Software Tools:** | MySQL workbench, Sales Force, Cloudera, Anaconda, PyCharm, Android |
|  | Studio, Jupyter Notebook |
|  |  |
| **Operating Systems:** | Windows, Unix, Linux |
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**CERTIFICATIONS**

* Microsoft Certified Azure Administrator Associate
* Microsoft Certified DevOps Expert
* Certified Scrum Product Owner (CSPO)
* Certified ScrumMaster (CSM)

**PROFESSIONAL EXPERIENCE**

*Agile Product Owner November 2024- Present*

**Oakland County – State of Michigan, Michigan, United States**

**Responsibilities:**

* Utilized analytics tools and performance metrics to monitor product success, identify improvement opportunities, and deliver actionable insights that optimized product functionality and user experience.
* Fostered a collaborative Agile environment by mentoring team members, resolving blockers, and facilitating daily stand-ups, sprint reviews, and retrospectives to enhance productivity and team morale.
* Leveraged deep technical expertise in Full Stack Java development to provide strategic input during sprint planning, addressing feasibility concerns and ensuring high-quality deliverables.
* Maintained a prioritized and groomed product backlog, translating complex business requirements into user stories and acceptance criteria for a tech stack comprising Java, Spring Boot, React, and AWS services.
* Acted as a primary liaison between stakeholders, business teams, and development squads, facilitating effective communication to ensure product goals were met with measurable success.
* Spearheaded the transition from Waterfall to Agile methodologies, training cross-functional teams, and implementing Scrum frameworks to improve delivery timelines by 30% and enhance team collaboration.
* Defined and communicated a clear product vision and roadmap, ensuring alignment with organizational goals and customer needs, resulting in a 20% increase in stakeholder satisfaction.

*Full Stack JAVA Developer*   *Jan 2024 – November 2024*

**Oakland County – State of Michigan, Michigan, United States**

**Responsibilities:**

* Developed robust and scalable backend solutions using **Java** and **Spring** **Boot**.
* Implemented **RESTful** APIs to facilitate communication between the backend and frontend.
* Utilized Java's **multithreading** and concurrency features to enhance application performance.
* Designed and developed cloud-native applications on Google Cloud Platform (**GCP**).
* Configured and managed **GCP** services, including **AppEngine**, **Cloud Storage**, **Cloud Functions**, and **Cloud Run**.
* Utilized serverless computing with **Cloud Functions** for efficient and scalable solutions.
* Integrated **GCP** Cloud Storage for secure and optimized data management.
* Implemented containerized deployments using Docker on **GCP's** container orchestration platform.
* Developed responsive and user-friendly web interfaces using **Angular**, **React**, **JavaScript**, **HTML**, and **CSS**.
* Implemented dynamic and interactive features to enhance the user experience.
* Utilized state management libraries such as Redux (**React**) for efficient data handling.
* Designed and implemented RESTful APIs for communication between different components of the system.
* Integrated third-party APIs to enhance functionality and data exchange.
* Implemented **SOAP**-based services for compatibility with legacy systems.
* Ensured **API** security through authentication, authorization, and encryption measures.

*Full Stack JAVA Developer*   *May 2022 – December 2023*

**Charles Schwab, Michigan, United States**

**Responsibilities:**

* Involved in System Analysis and Design methodology as well as Object Oriented Design and development using OOAD methodology to capture and model business requirements.
* Implemented **JAVA/J2EE** standards, **MVC** architecture using Spring Framework and extensively used Core Java such as multi-threading, exceptions, and collections.
* Developed Model View Controller (MVC) Architecture based presentation using **JSF** framework.
* Used **Angular 8** component-based architecture to integrate services to consume **RESTful** API's.
* Created **AngularJS** directives, factories and services for developing single page web applications.
* Designed and developed **Micro Services** business components using S**pring Boot**.
* Developed Angular and REST API web services with **Hibernate** and Spring Stack like Spring Core, **JBDC** to integrate with UI Angular components. Implemented and maintained cloud infrastructure, ensuring seamless integration with Java Spring Boot backend and Angular/React frontend.
* Utilized **GCP's** server less offerings, such as Cloud Functions, to streamline development and enhance application efficiency by focusing on code without managing infrastructure.
* Engineered scalable solutions on **GCP**, utilizing services like AppEngine and Cloud Run to efficiently handle varying workloads and ensure optimal resource allocation.
* Used Java development/build tools including **Jira, IntelliJ, Git, Gradle, and Bamboo.**
* Developed user interface using **JSP**, JSP Tag libraries and **JavaScript** to simplify the complexities of the application.
* Worked on Micro Services based Cloud Architecture on Cloud Foundry. And also, on the local data storage using shared preferences, **MongoDB**, **SQL** database and file system.
* Used Java Message Service (**JMS**) for reliable and asynchronous exchange of important information for status report along with Apache **Kafka** as Queue Server.
* Used **RabbitMQ** and JMS to publish a message and worked on **Kafka Rest** API to collect events from front end.
* Employed containerization techniques, leveraging technologies like Docker, for deploying and managing applications on GCP's container orchestration platform, ensuring consistency across development and production environments.
* Implemented monitoring and logging solutions on GCP to track application performance, identify bottlenecks, and optimize resource usage for cost-effectiveness.
* Collaborated with cross-functional teams to integrate GCP services seamlessly into the full stack application architecture, ensuring effective communication and streamlined development processes.
* Implemented security best practices on GCP, adhering to compliance standards, and ensuring the confidentiality and integrity of sensitive data in accordance with government regulations.
* Using Spring Boot on the backend to write logic for REST APIs.
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system.
* Support continuous improvements by investigating alternatives and technologies and presenting these for architectural review.
* Implemented software to meet robust, functional requirements, fault-tolerant, well-designed, testable, efficient code and ensure designs in compliance with company specifications.

**Environment:** Java 8, MongoDB, GCP Maven, Rabbit MQ, Microservices, Git, JavaScript, JSON, JSF, XML, Angular 8, JSP, spring, spring Boot, MVC, REST API, Log4j, Kafka, Junit, AWS, JIRA.

*Full Stack JAVA Developer*   *August 2021 – April 2022*

**Infosys | T-Mobile, California, United States**

**Responsibilities:**

* Developed Web-based enterprise applications using Core Java, Spring MVC, Spring Boot, Microservices,

Hibernate, J2EE, Servlets, JSP, JDBC, Web Services using SOAP, REST, Spring Framework.

* Implemented Hibernate and replaced the JDBC code.
* Responsible for migrating existing modules in IBM MQ to Apache Kafka and worked on creating Kafka adaptors

for decoupling the application dependency.

* AWS is used to coordinate and manage the delivery of messages to subscribers. Client-side validations and

server-side validations are done according to business needs.

* Designing and developing Microservices architecture applications using Spring Boot, Rabbit MQ, My SQL,

PostgreSQL, Restful Web Services.

* Experienced in Web-based UI frameworks JavaScript, JQuery, AngularJS, Angular2, ReactJS, Tag Libraries,

Custom Tags.

* Worked on Web Services using SOAP and REST. Worked both on Service and Client-Side.
* Experience in deploying and testing the services using SOAP UI.
* Utilized AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda functions.
* Used Apache Maven to build the application and Implementing the Microservices using Java/J2EE.
* Create Maven pom.xml files and integrated with Jenkins CI worked closely with build engineers.
* Written stored procedures and inner joins using RDBMS Oracle on Unix and Windows environment.
* Wrote JUnit tests to test all implementation. Set up a code coverage tool for web applications to monitor the

degree of source code being tested in different environments.

* Coordinated the efforts across several teams to ensure smooth progress of migration and to resolve any issues.
* Demonstrated the application to end user during scrum meeting and end of the release.

*Full Stack JAVA Developer*   *March 2021 – August 2021*

**United Airlines, Chicago, United States**

**Responsibilities:**

* Design, develop, implement, and maintain JAVA application code and software and conduct software analysis, program testing, and debugging as well as recommending changes to improve the previously.
* Used Spring Boot for developing microservices and use REST APIs to retrieve data from the client-side established processes using Microservice architecture.
* Involved in the application development using JAVA 8, Hibernate, Struts, JMS, and Web Sphere.
* Deep knowledge of Java (Spring Boot), JavaScript (Angular), and PL/SQL.
* Identified production and non-production application issues and transformed requirements into stipulations.
* Used Maven for project dependency management and Log4j for logging.
* Develop JSP pages, use JSON plug-in for asynchronous communication.
* Involved in deploying and testing the application using Tomcat Server.
* Worked with tracking tool JIRA on Agile Scrum performance estimation and capacity planning located globally.
* Used Java Message Service (**JMS**) for reliable and asynchronous exchange of important information for status report along with **Apache Kafka** as Queue Server.
* Deep knowledge of **Java** (**Spring Boot**), JavaScript (**Angular**), and **PL/SQL**.
* Develop **JSP** pages, use **JSON** plug-in for asynchronous communication.
* Used **Maven** for project dependency management and **Log4j** for logging. Involved in activities like code review, performance improvement.
* Implemented routing logic and navigation from screen to screen and implemented login functionality on the client side in **Angular 8**.
* Involved in deploying and testing the application using **Tomcat** Server.

**Environment:** JAVA/J2EE, Angular, REST API, Azure, Maven, Jenkins, Spring, JSP, Mongo DB, SQL, Tomcat,

log4j, Spring Boot, Jira, Jenkins, multi-threading.

*Graduate Research assistant*   *August 2018 – December 2019*

**STATE UNIVERSITY OF NEW YORK, Utica, NY, United States**

**Responsibilities:**

* Applied good documentation practices when recording data and managing source documentation. analysis utilizing LSTM-technology- machine learning (Python and RNN). Predicted the stock market of cryptographic algorithm to enhance data security in cloud computing.
* Successfully studied the utilization of digital signature with Diffie- Hellman key exchange and hybrid Microsoft over 29 years of data.
* On project Apache Bean- Big Data studied and evaluated properties of pipeline process using real-time  
  Checked incoming data for accuracy and integrity to identify and resolve problems.
* Professionally built batch and real-time data pipelines and interfaces. Supported department faculty with administrative assistance, as well as curriculum and research support.
* Developed data ingest workflows with stream-processing systems like Spark-Streaming, Kafka Streams and Flink. Transformed data in multiple formats, such as JSON, XML, CSV, or zip files.

*JAVA Developer*   *May 2017 – July 2018*

**SWIPAY Hyderabad**

* Involved in the Analysis, Design, and Development of Insurance plans using the Agile Scrum Methodology.
* Analysis, design and developing front-end/UI using JSP, HTML, jQuery, JSON and JavaScript.
* Implemented MVC architecture using Spring MVC framework and enhanced the design using Stateless Session beans for the Middle Tier development.
* Developed Restful Web Services as endpoint to share data from other products using JSON as the file format.
* Used J2EE Servlets; extensive multithreading and TCP/IP networking
* Used Eclipse as Java/J2ee IDE tool for creating POJO and Java classes.
* Developed Web Services to communicate to the other module using XML based WSDL protocols.
* Written DAO’s to access the database by using JDBC
* Used Maven project structure and added dependencies, plugins to pom.xml
* Used Microservice architecture, with Spring Boot based services interacting through a combination of REST.
* Worked on setting up Maven scripts to build, package and deploy application code to the target WebLogic Application Servers and worked on continuous integration servers like Jenkins.
* Used GIT as the version control tool and configured logging in the application with the Log4j framework.
* Generated Unit Test Plan & performed Unit Testing using JUnit.

**Environment:** Java, Spring MVC, SQL, jQuery, CSS, JSP, Maven, Eclipse, Restful Web Services, Apache Tomcat, Log4J, Spring Batch, JSON

**EDUCATION**

*Masters in computer science*

**State University of New York, Utica, NY, United States August 2018 – December 2020**

**Course work:** Artificial Intelligence, Operating Systems, Distributed

Cryptography, Parallel Computing and Algorithms and Complexity.

**GPA:** 3.4/4.0

*Bachelors in Electronics and Communications Engineering*

**Jawaharlal Nehru Technological University, Hyderabad, India. September 2013 – May 2017**

**Course work:** Micro Processors, Micro Controllers, VLSI Design, Digital Image Processing and OOPS Concepts.

**GPA:** 3.7/4.0