

# Sowmya Wilson

(512)-803-1507 | [sowmyawilson.saripalli@gmail.com](mailto:sowmyawilson.saripalli@gmail.com) | [github: wilson688](https://github.com/wilson688) | [linkedIn: sowmya-wilson](https://www.linkedin.com/in/sowmya-wilson)

---

## PROFESSIONAL SUMMARY:

Over 3+ years of experience in building RESTful distributed cloud microservices using Java and Spring Boot. Self-starter, proactive team leader, able to work effectively in collaborative environments and independently.

- Experience in Java, J2EE, Object Oriented Programming (OOP), Multithreading, JDBC, JSP, Servlets, Spring Core, Spring MVC, Spring Boot, Hibernate, Junit, Mockito and Web Services (SOAP, REST API)
- Experience in implementing applications in diverse industries using Design Patterns e.g., MVC, Factory, Session Facade and DAO
- Active Involvement in Software Development Life Cycle (SDLC) to projects starting from requirement engineering to testing, implementation and deployment
- Complete understanding and hands-on experience in Agile development methodologies and practices
- Develop clean and scalable, resilient applications in the cloud with multi-region availability and routing from development to production with 0% downtime
- Created templated CI/CD pipelines using Jenkins to take applications from GitHub PR to production
- Implemented integration, performance and unit tests using Junit, Postman, Cucumber and JMeter
- Lead sprint retrospectives to openly discuss improvements to processes in all development processes
- Partner with product owners to drive business value to all clients, both internal and external, with new features and applications
- Support product line with on-call schedule, developing advanced monitoring and alerting
- Participated in YBYO environment where developers own code and CI/CD processes
- Developed the web applications and deployed into AWS cloud
- Experience in building test environments for performance and functional testing
- Experience working as a primary implementor in Production deployments
- Excellent communication, interpersonal, presentation skills, Self-starter and customer focused
- Versed in both test-driven and behavioral-driven development, using multiple languages and delivering using an agile project management approach.

## TECHNICAL SKILLS:

Programming Languages/ Frameworks	Java (J2EE, Servlets, Log4j, OAuth), Web Services (SOAP, WSDL, REST API), Spring Core, Spring Boot, Spring AOP, Spring Security, Spring Rest, Spring Cloud, Spring Batch, Hibernate, Kotlin, Amazon Web Services (AWS), Kafka, Swagger2
IDE	Eclipse Neon and Oxygen, NetBeans 8.2, Spring Tool Suite 4.8.0 (STS)
Design Patterns	Singleton, Factory, Strategy, Template method, Chain of Responsibility, Builder, Prototype, Facade, MVC, DAO
Web Servers	Apache Tomcat
Deployment Tools	Maven, Gradle
Version Control and Project Management tools	GIT, Bitbucket
Testing Tools & Frameworks	Postman, JMeter, Cucumber Java, Junit, Mocha Chai

Database Systems	MySQL, PostgreSQL
Dashboards	Grafana, Datadog, Splunk,
DevOps	Bash Scripting, Docker, AWS, CI/CD Jenkins

## PROFESSIONAL EXPERIENCE:

### Disaster Accountability Project

**March 2021 – Present**

Position: Volunteer Software Developer

- Updating database schema using Flyway
- Implementation of J2EE design patterns like Front Controller Pattern and MVC Pattern
- Design and development of Angular and Spring Boot Applications
- Implemented Spring Data JPA to provide good customer experience
- Build and deployment activities using Jenkins
- Debugging and validating application logs on Splunk
- Worked on Swagger API and Auto-Generated documentation for the application

### Capital One

**December 2018 – Present**

Position: Software Developer

- As part of the agile Team Member, involved in complete life cycle of agile process which includes Story Grooming, Story Planning, Daily Standup meetings & Retro meetings. As part of the story grooming, interact with Product Owner's and Business analyst and make sure all of the Team stories are well defined. Agile Tools: Jira
- Involved in defining and building the architecture runway for the overall program
- Researching and defining various services available on Amazon Web service and drafting a recommendation (AWS cloud, EC2, S3 Bucket configurations)
- Responsible for managing the code, build & deployment related activities, providing complete application support for APIs. Tools: Jenkin's
- Design and Developing the Spring Boot and Spring Based Applications
- Co-ordinate with Product Owner for User acceptance testing
- Define a strategy for Performance testing and analyze the results of the same and recommend tuning options
- Responsible for providing the application support after the project production release
- Responsible for developing functional test environment and test cases
- Leading responsibilities to make sure all the Sprint deliverables will be delivered on time with as per the Coding Standards
- Involving the Software Code Review process to make sure all the Developer's code meets the best Quality standards, provided the directions to the team
- Implementation of Java 8.0 Features (Lambda expressions, Streams)
- Involving in AWS EC2 and ECS configurations
- Provide technical leadership to teammates through coaching and maintain high standards of software quality within the team by establishing good practices and habits
- Collaborate with other software developers and software architects to plan, design, develop, test, and maintain web and desktop-based business applications built on Microsoft, java j2EE, spring, cloud technologies
- Prepare reports, manuals and other documentation on the status, operation and maintenance of software
- Design, develop, and unit test applications in accordance with established standards and lead Dev and DevOps teams to ensure that our customer needs are met
- Manage all phases of development lifecycle, including design, development, testing, quality and deployment

## **Cogent InfoTech**

**September 2018 – November 2018**

Position: Java Developer

- Experience in complete Software Development Life Cycle (SDLC) including Analysis, Design, Development, Integration, Documentation, Testing, and Deployment.
- Involved in Agile methodology to get updated with team.
- Involved in Core Java coding by using Java APIs such as Collections, Multithreading, Exception Handling and Java I/O to fulfill the implementation of business logic.
- Developed applications using frameworks and J2EE technologies like Spring, Hibernate, Web Services, JDBC, Servlets, JSP and JSTL.
- Developed RESTful API Client and Producer Web Services using JSON, XML with JAX-RS annotations.
- Worked with different Spring modules like Spring MVC, Spring Core, Spring ORM, Spring JDBC, Spring Web Services, Spring AOP, developed Microservices with Spring Boot.
- Experience in designing and developing persistence solution using JPA and ORM frameworks like Hibernate, developed data models using POJO's and configured Hibernate persistence layer.
- Designed web application using design pattern like Singleton, Factory, Template, Observer, Strategy, MVC, Builder, Facade etc.
- Used Spring Framework for Dependency Injection (DI) and integrated and used DAO design pattern to retrieve the data from database.
- Used Spring Core for Inversion of Control (IOC) to inject dependencies (DI) for loose coupling.
- Integrated Spring Security with JDBC to manage user registration and login.
- Used Spring Framework AOP Module to implement logging in the application to know the application status.
- Worked with different Application Servers like WebSphere, WebLogic, JBoss, and Tomcat.
- Familiar with front-end technologies such as Angular, HTML, CSS, JavaScript, jQuery, JSON.
- Worked on various version control and CI/CD tools including GIT SVN and Jenkins.

## **Cell-Gate Access**

**June 2018 - August 2018**

Position: Software Developer

- Developed Mock-up designs as per the requirements of Business
- Developed Web-based patient management system using Java EE, Spring Framework, Spring Boot, Hibernate and Maven
- Designed and developed RESTful web services using Spring Rest to achieve faster, reliable and JSON based communication
- Implemented J2EE design patterns such as Mediator, Facade, Visitor, Proxy and Observer to achieve modular design while developing reusable solution
- Used Maven to allow developer to comprehend the complete state of a development effort i.e. building and managing any java-based project in the shortest period
- Used log4j to monitor the Error Logs and fixed the problems.
- Familiar with front-end technologies such as Angular, HTML, CSS, JavaScript, jQuery, AJAX, JSON.
- Great amount of work experience on RDBMS like MySQL, Oracle and NoSQL Creating SQL statements and Sub queries.
- Design and modeled objects using modeling techniques in UML - Use Cases, Class Diagrams, Sequence Diagrams.
- Used Jenkins for Continuous Integration (CI) during the project development.

## **The University of Southern Mississippi**

**September 2016 - May 2018**

Position: Research Assistant

- Performed machine learning analysis on big data such as LIDAR data and RADAR (UAVSAR) data provided by NASA under Dr. Kala Marapareddy
- Perform unsupervised and supervised classification algorithms

- Write Python Scripts for preprocessing LIDAR data
- Worked with CVS and EDI Data formats
- Developed a Web application using AngularJS and leaflet in the front end and Java Spring MVC at the backend
- Used PostgreSQL database for the georeferencing data
- Published research paper on under the guidance of Dr. Kala Marapareddy

EDUCATION:

MS in Computer Science, University of Southern Mississippi, USA

**May 2018**

Bachelor of Engineering in Electrical Engineering, CVSR College of Engineering, India

**May 2016**