

# Sai Kiran

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## Professional Summary

- Over 7+ years of Professional experience as a Java Programmer with diversified exposure in Software Process Engineering, designing & building web Applications using Java/J2EE & open-source technologies.
- Have good experience with C# .Net programming too.
- Experience in Software Development Life Cycle (SDLC), Agile and Waterfall methodologies of development process such as requirement analysis & definition, designing, coding, testing and implementation. Strong knowledge in Java, J2EE, Struts, Spring, Hibernate, MVC, JSP, Servlets, Java Beans, JDBC, HTML, XML, XSL, XSLT, Angular, Java Script, Web services, Junit.
- Extensive experience using Angular concepts like components, angular routing, lazy loading modules, interceptors, angular material.
- Experience developing microservices using spring boot technology.
- Proficient in Core Java with strong understanding and working knowledge of Object-Oriented Concepts like Collections, Multithreading, Exception Handling and Polymorphism.
- Strong experience in implementing business layer using Spring based modules like Spring dependency injection, Spring ORM, Spring MVC and Spring Boot.
- Hands on experience with Integrated Development Environments (IDE's) tools like Eclipse and IntelliJ.
- Extensive experience and actively involved in Requirement gathering, Analysis, Design, Reviews, Coding, Code Reviews, Unit and Integration Testing.
- Good Working knowledge on databases like Oracle, SQL Server, MySQL.
- Developed applications using J2EE Design Patterns such as Model-View-controller (MVC), Singleton, Session Facade, Business Delegate, and Service Locator.
- Used Twilio to send SMS and Emails to users.
- Used Log4j to set up debugging and error information for production support.
- Automated build, testing and integration with Ant, Maven and JUnit.
- Performed unit testing using Junit, integration and deployment of applications using tools ANT and Maven, Jenkins & debugging through Log4j.
- Good experience in implementation of the version control software Git, GitHub.
- Excellent Client interaction skills and proven experience in working independently as well as in a team.
- Experienced in handling end users and troubleshooting real-time issues in production environment.

## Technical Skills

**Programming Languages:** JAVA, C#.

**Framework:** Spring, Spring-Boot, Hibernate.

**Databases:** Oracle, MySQL, SQL Server.

**Front-End:** HTML5, CSS, Bootstrap, Java Script, JQuery, Angular.

**Web Servers:** Apache Tomcat.

**Web services:** SOAP, REST.

**Tools:** Eclipse, IntelliJ Idea, Visual Studio, Junit, Maven.

**Operating Systems:** Windows, Linux, Unix.

## Education

### **MASTERS IN CYBERSECURITY (THESIS) | 2017 | WRIGHT STATE UNIVERSITY | GPA: 3.4**

Here I learned the concepts related to modern day security related risks and strategies to enhance security features of an organization and I also took few classes in computer science domain like distributed computing, Adv. Wireless Networks...etc.

["OCLEP+: One-Class Intrusion Detection Using Length of Patterns" by Sai Kiran Pentukar \(wright.edu\)](#)

### **BACHELORS IN COMP. SCIENCE | 2011 | JNTU, HYDERABAD**

Here I learned various algorithms, programming strategies and various programming languages Skills & Abilities

## Certifications

- Oracle Certified Professional, Java SE 6 Programmer
- Certificate in Cyber Security Analytics, Department of Computer Science, Wright State University

## Professional Experience

### **TEAM LEAD | IMCS GROUP | JULY'20-TILL DATE**

- Understand new Project requirements by interacting with the Business Users, understand functional, non-functional requirements and layout architectural solution to implement the same.
- Configure Spring Security to customize authentication and access control of the application based on application requirements.
- Work with Spring and Spring-boot technologies to develop the backend APIs to handle the requests from the front end.
- Responsible to develop the service layer to process the incoming request handled by the controller layer.
- Use Spring JPA and Hibernate technologies to communicate with the backend database and manage application data.
- Use MySQL database technologies to store application related data.
- Developing the Backend testcases using JUnit to test the controller (WebMVCTest), service and repository layers (SpringBootTest).
- Develop Microservices using Spring Boot technology.
- Configure Discovery Service and Proxy Service to handle the microservices interoperability.
- Implement Twilio Programmable SMS and SendGrid Email solutions in the application to allow the application to send SMS and email notifications to the users.
- Responsible to configure the deployment strategy for the application, including but not limited to deploying on the Apache Tomcat/Docker Containers.
- Configuring SSL to the application by generating the keystore and csr, working with the third-party SSL Certificate provider and configuring our applications with the SSL Certificate.
- Configure CI/CD of the applications using Jenkins tool.
- Work with Angular technology to develop front-end part of the application.
- Configuring modules, routing to make sure that only relevant code is sent to the user's browser based on the role of the user and the modules he has access to.
- Developing Angular Interceptors to handle front-end reaction to the response from the backend.

- Working with Angular Material, Angular plugins, Javascript, Typescript, CSS, HTML technologies as required.
- Implement Swagger UI plugin to provide the documentation of the backend application.
- Participate in the daily and biweekly Agile meetings with the team.
- Participate in regular client meetings to understand the technical aspect of the problem and discuss architectural solution to address the same.
- Work on production priority issues and work on the root cause analysis of the issue and provide the findings to the management.

### **SENIOR SOFTWARE ENGINEER | ENERGY AND ENVIRONMENT CABINET, KY | AUG'17-JUN'20**

- Analyzed client requirements by interacting with various business divisions and consolidated the **SRS** (Software Requirements Specification) Document.
- Followed Software Development Life Cycle - Agile Scrum methodology.
- Worked with BA in gathering requirements and involved in reviewing the code with Team lead and other developers.
- Implemented Database accesses through **JDBC** at Server end with **Oracle** as backend.
- Involved in designing UML Use case diagrams, Class diagrams, Event diagrams, Activity diagrams and Sequence diagrams using Rational Rose.
- Created XSLT style sheets for the XML data transformations that included both mid-layer transformations (XML to XML) and final transformations (XML to HTML).
- Designed and developed the UI components using **JSP, HTML, CSS, JavaScript, JQuery and AJAX**.
- Used **ANT, Maven** for building the entire web application and deploy them on **WebSphere**.
- Used **Java Script** for client side validations and validation framework for server side validations.
- Session **Beans** have been used to process the requests from the user.
- Extensively used **Hibernate** in data access layer to access and update information in the database.
- Used **Spring** Framework for **Dependency injection** and integrated with the Hibernate.
- Used **SOA** for implementing strategies of two different applications.
- Used **Web services** - WSDL and SOAP for getting credit card information from third party.
- Used **Log4j** to capture the logging information and Junit to test the application classes.
- Wrote the **Java Beans** for delegation control and **Validations**.
- Responsible for communicating with testers to resolve the issues and to deliver the best results.

### **STUDENT RESEARCHER | WRIGHT STATE UNIVERSITY | DEC'15 - APRIL'17**

- I worked with my Professor, Dr. Guozhu Dong to develop OCLEP+: One-Class Intrusion Detection Using Length of Patterns. It's an algorithm for Intrusion detection using length of emerging patterns and it can achieve good results using only one class data to train the classifier. I used **Java** to build the classifier. The job of the classifier is to parse a dataset and compute Border Differential algorithm, which is part of the OCLEP+ and classify if a record from the dataset is anomaly or normal data.

(Link: [https://etd.ohiolink.edu/pg\\_10?0::NO:10:P10\\_ETD\\_SUBID:151019](https://etd.ohiolink.edu/pg_10?0::NO:10:P10_ETD_SUBID:151019))

### **GRADER | WRIGHT STATE UNIVERSITY | JAN'17 - APRIL'17**

- I worked with Dr. Cemil Kirbas at Wright State as a Grader for his Distributed Computing class. My responsibilities include developing labs and project assignments for students using **HDFS, Hive** and evaluating them.

### **ASSOCIATE SOFTWARE ENGR. | CSC, INDIA | SEPTEMBER'12 - JUNE'15**

- Involved in all the phases of SDLC including Requirements Collection, Design & Analysis of the Customer Specifications, Development and Customization of the Application. Used waterfall methodology.

- Developed the application using Waterfall model structure of product development.
- Worked under the project management to achieve the functionality as per the client requirement.
- Designed and developed user interface using asynchronous technologies using **AJAX** and **Struts** frameworks.
- Involved in writing stored procedures, view, user-defined functions and triggers in **SQL Server database** for **Reports module**.
- Developed the front-end using Struts Framework, **JSP**, **jQuery**, **JavaScript** and **Servlets**.
- Designed and developed interface components using **HTML**, **CSS**, and **JSP** tags framework.
- Implemented design patterns **MVC**, **Singleton Factory**.
- Involved in develop and modify **SQL queries** and **stored procedures**.
- Involved in Bug fixing and functionality enhancements raised through **Rally**.
- Involved in writing test cases using **JUNIT** for various modules.