Siddharth Patel

Address*:** Cary,NC |Phone number*:** 9198883535 |
Email ID*:-** s.siddharthpatel@gmail.com |GitHub:-*** https://github.com/SIddharth3791

Professional Summary

- 3+ years of experience in analysis, design, development, documentation, implementing and testing of web Application using **Java** and **J2EE** technologies**.**
- Solid background in **Core Java API, Exception Handling, Multi-threading, Synchronization, Serialization, Collections framework, Java Beans, Executor Services, Thread pools.**
- Used **persistence frameworks, Hibernate ORM, JPA to map POJOs** to a relational database
- Expert level knowledge in using Spring modules like **Spring Core, Spring IOC**and **Spring JPA.**
- Expertise in frontend technologies such as **HTML, CSS, JavaScript, JQuery, Bootstrap, JSP, JMS** and **JSON.**
- Experience on Developing **RESTFUL** web services using **Spring Boot**, **Spring RESTFUL template**, **JPA, Cloud Foundry.**
- Good Experience working with (**AWS**) **Amazon Web Services**(Amazon **EC2**, Amazon **S3**, Amazon **IAM**, Amazon **RDS**, Amazon **Elastic Bean Stalk**, Amazon **SQS**, Amazon **ECS**, and Amazon **Code Pipeline**)
- Hands on experience in Continuous Integration and Deployment **(CI/CD)** using **Jenkins**, **Docker** and built application using **Maven**.
- Have Exposure in **No-SQL Databases** like **MongoDB**
- Have experience in Software Development Processes like **Waterfall, Agile, SCRUM,** To track the process of Agile process used **JIRA** and **Rally**.
- Performed UI automated testing using **Python** and **Selenium**.
- Extensively implemented **J2EE Design patterns** such as **MVC, Service Locator, Factory Pattern, Singleton, Service Factory.**
- Proficient on OOAD Technologies developing Use Case diagrams, Activity diagrams, Sequence Diagrams and Class diagrams using case tools like **Microsoft Visio** and **Relational Rose.**

Technical Skills

- ***Programming Software:*** Java, JavaScript, Python, PHP, Swift, SQL, HTML5, CSS3, Bootstrap, JSON
- ***Databases System:*** Hibernate (ORM), PostgreSQL, MySQL, MongoDB, AWS, Parse, and Firebase
- ***Methodologies:*** Agile(Scrum), MVC Pattern, MVVM Pattern, Test Driven Development, Object Oriented Design.
- ***Web Service:*** REST, SOAP
- ***Software Tools:*** Jenkins, Docker, Maven, Selenium, Tableau, Spring Tool Suit, Eclipse, IntelliJ, Sublime text, Cloud9
- ***Frameworks:*** Spring Boot, Spring MVC Framework, Laravel, Angular, Bootstrap
- ***Cloud Services :*** Amazon Web Services, Pivotal Cloud Foundry, Google Cloud Platform

Education

Master of Science in Software Engineering – GPA: 3.5/4.0 ***December 2016***
East Carolina University, Greenville, North Carolina

Bachelor of Engineering in Electronics and Communication – CGPA: 7.5/10.0 ***May 2013***
Gujarat Technological University, Baroda, India

Professional Work Experience

1. Software Developer

Dell EMC Corporation, Raleigh, NC, May – August, 2016

Project: SanityTest Micro service using Spring Framework:

- Worked with CloudIQ team, As part of Internship I had to developed and implemented **Java/Spring** base **Micro service** named Sanity Test Micro service
- That **Micro service** gets deployed on **Pivotal Cloud Foundry** to serve business logic
- Main Feature of that Micro services was to test sanity of entire environment before moving to Production environment
- Entire **Micro service** was developed using **J2EE**, **Spring framework, Spring cloud** service and **Hibernate** (ORM)
- Developed test automation packages for testing whole environment on **Pivotal Cloud Foundry**.
- SanityTest **Micro services** will run **JUnit** test cases and produce **JSON** output related to success/fail of test case.
- Worked effectively in an **Agile SDLC** model and **Scrum** environment.
- Created design documents using **UML diagrams**. Presented to team, explaining entire process and architecture.

Technologies: *Java/J2EE, Spring Cloud, Spring Framework, PCF (PaaS), Hibernate (ORM), PostgreSQL, JUnit, Jenkins*

2. Technical Assistant

Global Understanding - ECU, Greenville, NC, August 2014 – April 2016

Project: *LAMP Stack* Global understanding department website:

- Global Understanding department is associated with East Carolina University and my role was to be Technical Assistant, helping develop and maintain their web application.
- Gathered the requirements for the development of website.
- Created design documents using **UML diagrams** using **IBM Rational Rose.**
- Developed and maintained website for Global Understanding department at ECU using **PHP**, **HTML**, **CSS**, **Bootstrap** and **MySQL**.
- Assisted students with videoconference tool like Saba-meeting and mIRC. Design modules to guide students.

Technologies: *Linux, PHP, HTML, CSS, Bootstrap and MySQL*.

3. Software Engineer

Embelink Technologies, Ahmedabad, India, May 2012 – December 2013

- Analyzed market standards and requirements for web application.
- Participated in user requirements gathering, writing Functional Specifications, Technical Specifications.
- Lead team of 4 members to design and develop, code and implement online web applications.
- Designed the architecture for the project using **J2EE** and standard **J2EE framework.**
- Involved in developing web UI using **HTML, CSS, JavaScript, JQuery** and **AJAX**
- Actively participated in the daily **SCRUM** meetings to produce quality deliverables within time
- Debugged and resolved errors in the application to ensure a smooth launch.
- Involved in installing and configuring **Maven** for application builds and deployment
- Involved in creating the use cases, class diagrams and sequential diagrams using **Rational Rose**

Technologies: Java/J2EE, HTML, CSS, JavaScript, AJAX, Maven, Agile methodology, Rational Rose

Relevant Project

1. *Sanity Test Micro Service- Spring Boot Micro service Based J2EE*

- Sanity Test was implemented as a Micro service using **J2EE**, **Spring Boot**, **Spring Cloud** and **Spring Web MVC**
- It can be deployed in a **Pivotal Cloud Foundry** (PCF) environment without affection the overall environment behavior
- **Spring Data** is used to store and fetch data from **PostgreSQL**.
- Sanity Test Micro services will run **JUnit** test cases and produce **JSON** output related to success/fail of test case.
- Used **Swagger-UI** for dynamically generating beautiful documentation from **Swagger-compliant API**.
- It configures a dummy data similar to real life data to test the environment.

Technologies:- *Java/J2EE, Spring Cloud, Spring Framework, PCF (PaaS), Hibernate (ORM), PostgreSQL, JUnit, Jenkins*

2. *ClearSky-Weather- IOT Spring Boot Application:*

- Developed a **Spring Boot application**, which calls **REST** endpoint that accepts the weather reading from weather sensor and store in data store **MySQL** using **Hibernate** (ORM).
- **Spring Data** is used fetch data from **MySQL** to serve business logic.
- **AWS EC2** and Jenkins are used for **CI/CD** of this Project. Any new commits in GitHub will trigger **Jenkins** to run build.
- Project runs on **AWS EC2** instance and can be accessed at **EC2** public **DNS**.
- **AWS RDS** services was used to for Database and **AWS S3** service to store Static files
- Implemented individual **Docker i**mages mapped towards **Tomcat server**.
- Used **Swagger-UI** for dynamically generating beautiful documentation from **Swagger-compliant API**.

Technologies:- *Java, Spring Framework, Spring Boot, Hibernate(ORM), REST, AWS EC2, MySQL,Swagger-UI Jenkins and Docker*

3. *Ecommerce Music Website: J2EE Full Stack Spring Web MVC Application*

- Individually developed Online Music Store, where users can Buy/Sell instruments or DJ equipment.
- Different Spring modules like **Spring Web MVC**, **Spring Core**, **Spring Security**, **Spring Restful** and **Spring JPA** was used.
- **Hibernate** was used to map **POJO** to **H2 database**.
- User interface was developed using **HTML**, **CSS**, **Angular JS**, **Bootstrap** and **JSP**.
- Used **JQuery** for DOM manipulation when required

Technologies: Spring MVC, Spring Data, Spring Security, Spring REST, Hibernate, JavaScript, JSP

4. *Telegram Web Application: LAMP Stack Single Page Application using AWS Services for CI/CD*

- Used **Laravel** framework dependencies to implement this project.
- **Composer** is use to manage dependency in this application
- Application ran on **AWS EC2** instance and Stored Static files in **AWS S3** Buckets.
- AWS components like **Elastic BeanStack** along with **CodePipeline** was used to make application **CI/CD**
- **Phinx** is used to migrate Database and **AWS RDS** was used to host **MySQL** DB.
- **PHPUnit** was used to run unit tests on the application before pushing to **GitHub.**
- Automated testing of UI was done using **Python** and **Selenium.**

Technologies: *PHP, Python, MySQL, HTML,CSS, AWS Elastic Beanstalk, Lambda & CodePipeLine, Selenium PHPUnit*

5. *Bookart: Single Page Application using JavaScript*

- Design and Developed **Single Page Application** using **JavaScript** and **Angular** framework.
- Application Functionality, where user can search a book from database and add to cart to buy them.
- User interface was developed using **HTML**, **CSS3**, **Angular** and **Bootstrap**
- Used **JQuery** for DOM manipulation when required
- **Mobile responsive** web app, which can fit any screen.

Technologies: *JavaScript, Angular, HTML5, CSS3, SQL and GitHub*