**Swathi Inavolu**

**Java Lead Engineer**

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***Visa Status: H1B***

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**PROFESSIONAL SUMMARY:**

* **Java Lead Engineer with 12+ years** of professional experience in **Software Development Life Cycle** (SDLC) core area such as Analysis, Design, Coding, Implementation, Testing, and Deployment of Web based **Enterprise Applications** using **Java/J2EE** technology with Agile delivery model. Microservices development with test driven approach using Spring Boot.
* Exposure to different domains like **Insurance, Health Care (Remote Patient Monitoring)**, **Background Verification**, **Telecom** & **Self service portal** applications.

**TECHNICAL COMPETENCIES:**

|  |  |  |
| --- | --- | --- |
| Programming Languages | : | Core Java |
| J2EE Frameworks | : | JSP, Servlets, Struts, Spring, Spring Boot, Spring Rest, Spring ORM, JSF,JMS,Kafka |
| Cloud Services | : | AWS Cloud Services, Rackspace, Open stack, Openshift |
| Web Services, Tools, APIs Doc | : | SOAP, REST(Jersey, JAX\_RS), Micro Services(Spring Boot, Apache Camel), SOAP-UI, Postman, Swagger, Insomnia |
| ORM | : | Hibernate, JDBC and IBatis |
| Scripting Languages | : | JavaScript, Jquery,Typescript, AJAX, GWT, Bootstrap, DOJO, Python, Angular, React |
| Relational Databases/NO SQL | : | Oracle, MySQL, AWS Dynamo DB, Denodo DB, Elastic search, MongoDB |
| Versioning Tool | : | Git, SVN, CVS, Perforce, Clear Case, Tortoise SVN client, Tortoise Git Client, Bitbucket |
| IDE/Utilities | : | STS, My Eclipse, Net Beans, IBM® WebSphere Rational Application Developer, MySQL Workbench, Confluence, Sonar Qube, Putty, APP Dynamics, Jprofiler, Splunk |
| Web/App Servers | : | IBM® WebSphere™ AS v5.1/6.0/7.0, IBM® WebSphere™ Portal, Tomcat |
| Build tools | : | Maven, Gradle, and ANT |
| CI/CD tools/Cloud | : | Jenkins, Hudson, Openshift, ArgoCD, AWS EC2, AWS Lambda, Step functions, AWS Code Pipeline, AWS code build, API Gateway, AWS EKS, AWS S3 |
| Bug Tracking Tools | : | JIRA, Mantis, Clear Quest |
| Operating Systems | : | Linux, Windows |
| Software Life cycle | : | SAFe Agile, Agile & Waterfall |
| Domain Knowledge | : | Insurance, Self Service, Telecom, Background Verification, Health Care, Entertainment |

**PROFESSIONAL EXPERIENCE:**

**Intellilink Technologies (Client: BSC) –United States May 2022 to Till Date**

**Role: Java Lead Engineer**

**Projects:**

* ***Find a Doctor (FaD)*: FaD** *offer access to a wide range of doctors, specialists, and hospitals to help you find care wherever you live or work. Using this, we can search providers, facilities, doctors, dentists, pharmacies, urgent care and Equipments & supplies.*

 ***Environment:*** *Core Java 1.11, Spring Boot, Apache Camel, Denodo DB, Mongo DB, Elastic search, Micro Services, Angular, kafka, Oauth2, kibana, API Gateway, RedHat OpenShift, Bitbucket, Insomnia, Splunk, Docker, Maven, ArgoCD.*

* ***ShieldLink WMB to AIP Service*:** *The purpose of this interface is to process the Small Group inbound file, perform error validation and load group, subgroup, class/plan/variable benefit periods, EBR, commissions & billing data into Facets and to log the status (success/failure) into a response file.*

 ***Environment:*** *Core Java 1.11 Spring Boot, Apache Camel, MySQL, JDBC, Micro Services, Bitbucket.*

 ***Responsibilities:***

* Work with Product Owner/business team to understand and clarify the project requirements.
* Responsible for architecture the features/enhancements and prepare the technical design documentation and present it to team for approval.
* Involved in various phases of **Software Development Life Cycle** (SDLC) such as analysis, design and development.
* Having experience to build, run, and scale container-based applications, CI/CD, and release management using Openshift Red hat Kubernetes platform.
* Extensive **Agile** development experience with **Scrum** of 2 weeks period.
* Integrated with Kafka messaging to publish the events and trigger the email respectively.
* Lead and co-ordinate the team (offshore & onshore) to understand the requirements and in developing the features/enhancements.
* Responsible for release management activities for any features.
* Collaborate with multiple teams across the BU for feature design discussion until delivery.

**AT&T(DIRECTV) Client - El Segundo, CA, USA Oct 2017 to Aug 2019**

**Role: Java Full Stack Developer**

**Projects:**

* ***Automation Performance Framework*:** The framework will be architect ed with the ability to support diverse testing and monitoring platforms, and at the same time be easily extensible based on upcoming business needs with the goal, to reduce the turn-around time for the performance test cycles**.** Accomplished performance test automation, right from the beginning of test data setup, scheduling, execution, monitor and report generation.

 ***Environment****: Core Java 1.8, Spring (Core,MVC,ORM,Data), Restful Services, MySQL, React, Eclipse, Boostrap3, Windows,JIRA, Confluence, Kubernates, AWS, Rackspace, OpenStack, JMS, Shell Scripting, JQ Plots, Python, Apache POI, JSON, Perl scripting, TypeScript, JSCH, JMS, Weblogic, Maven.*

 ***Responsibilities:***

* Work with Product Owner to understand and clarify the project requirements.
* Responsible for architecture the features.
* Involved in various phases of **Software Development Life Cycle** (SDLC) such as analysis, design and development.
* Lead the team to understand the requirements and in developing the features.
* Created **API gateway** integration with **Lambda** functions for storing the uploaded files and generated pdf files for reporting into S3.
* Utilized **AWS Step functions** for workflow orchestration of servers monitoring functionality.
* Integrated **AWS SDK** with the project and consumed EC2 services like start the VM, describe all instances, stop the service, describe instance status etc.
* Integrated with **API gateway** for managing and rerouting of the services.
* Integrated application with AWS services like **codebuild**, **codedeploy**, **codepipeline** for build & deploy of the services.
* Used **Spring MVC** for application layer and **Rest** for the Web services.
* Worked on **JUnit and Postman** for testing the written java classes and **rest services**.
* Involved in release management of the application.
* Integrated with different cloud vendor APIs for VM spin up and test execution on the VMs
* Contacted the Cloud support teams for any issues/clarifications needed.
* Familiar to use different cloud vendors as **openstack**, **Rackspace** & **AWS**.
* Used Kubernates dashboard for container Management and pod creation etc
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* ***HCP*:** Accomplished a centralized dashboard that showcase the entire stage lab server's health with Connectivity, Servers UP/Down, CPU, RAM utilization pie charts and Third-party monitoring tools availability. This tool saved around 90% of the manual handshakes and smoke tests for the test engineers during performance tests.

 ***Environment****: Core Java 1.8, Spring (Core,MVC,ORM,Data), Restful Services, MySQL, Jquery, Eclipse, Tomcat, Boostrap3, Windows, JIRA, Confluence, CSS, JQuery, JQ Plots, JSCH, Tomcat, Gradle.*

* ***CIA Dashboard:*** Designed web-based monitoring dashboard which provides detail of feature level progress graphs for the scrum teams involved. Generates feature and story points level progress in the form of bar graphs. Provides the scrum teams burn-down charts by polling the data from JIRA Restful apis and presenting at PI level to track the progress of all teams under Central Integration agency group.

 ***Environment****: Spring Boot, Spring Rest, JSP, BootStrap, CSS, React JS, JQ Plots, JIRA Query, Tomcat, Linux, Gradle, STS, JIRA, Confluence.*

**Medtronic – Hyderabad, India Aug 2016 to May 2017**

**Role: Senior Software Engineer**

* ***Vital Sync Home*:** *Vital Sync Home* is a comprehensive remote patient monitoring system designed around making it easy for patients to stay connected to their clinical care team without cumbersome wires or hard to use devices.

 ***Environment:*** *Core Java 1.6, Spring Boot, Spring Rest, Spring MVC, MySQL, JDBC, Micro Services, OAuth, JQuery ,Jenkins, JSON, AWS , STS, JBoss AS 5.1, Boostrap3, Windows 7.*

 ***Responsibilities:***

* Work with business analysts and internal customers to refine and clarify project requirements.
* Involved in various phases of **Software Development Life Cycle** (SDLC) such as analysis, design and development.
* Extensive **Agile** development experience with **Scrum**.
* Understand the Medical Domain and developed Vitals History of selected patient, Assign the patient to clinicians, Activity History of Clinician, Activity history of Patient, ECG graph plotting.
* Participated during the business and functional requirements discussions of project and interacted with business Teams.
* Involved in design of the application for any business requirements including DB design, VO design, services implementation etc.
* Used **Spring MVC** for application layer and **Spring Rest** for the Web services.
* Used **Jquery** for UI related scripting and **AJAX** submissions to Controllers.
* Used **JDBC** to integrate the software with the MYSQL database backend.
* Experience with **Spring MVC** and **Dependency Injection**.
* Involved in testing, debugging, bugs fixing, and Technical documentation of the features.
* Created **AWS lambda** functions for notifying the vitals update to clinicians.
* Involved in the Maintenance and Support of the System services in AWS using **Fargate**.
* Integrated the application with other AWS components like **CodeBuild** & **CodePipeline** for build & deploy of the services.
* Worked on **JUnit and Postman** for testing the written java classes and **rest services**.
* Accessed the logs to find the root cause of the issue.
* Mentoring the junior resources for any technical issues or business requirements.
* Involved in end-end development of the business requirement.

**Harman (Symphony Teleca) –Bangalore, India Nov 2014 to Jul 2016**

**Role: Technical Lead**

* ***Background Direct*: *Background Direct (BD)*** is a US based screening platform supporting the needs of the small and medium business market segments across multiple industries.

 ***Environment:*** *Core Java 1.6, GWT, Spring, Hibernate, Web services (JAX-WS & JAX-RS), MDB , Quartz**scheduler, Eclipse, JBoss AS 5.1, Boostrap3, GIT, Windows 7, JIRA, Confluence, Jenkins.*

 ***Responsibilities:***

* Monitoring the team. Estimate and assign the tasks.
* Preparing the tasks deadlines. Attending the scrum meetings.
* Work with business analysts and internal customers to refine and clarify project requirements.
* Developed the UI of the application to compatible for **Mobile** (iPhone & android), **Tablet** (ios & android) and **desktop** resolutions.
* Involved in various phases of **Software Development Life Cycle** (SDLC) such as analysis, design and development.
* Participated during the business and functional requirements discussions of project and interacted with Business Teams.
* Worked on translating the Client’s business requirements to high level design specs and used design patterns.
* Developed various features using **GWT** as the UI framework.
* Owned and developed critical modules like setting up packages for any customer, supporting packages for Georgia & Colorado States, displaying the users of any logged in customer in a grid format using GWT.
* Handled end to end development of any feature. And used **Hibernate** to interact with the Data base.
* Setting up the **Quartz scheduler** in the data base and enabling and disabling based on the requirement.
* Created a document with all the queries required to be executed in the sprint and verifying the same in Dev environment.
* Worked in an **agile environment** delivering output in sprints and participating in scrums.
* Tracking of the **Sprint** work using **JIRA** and assisting the team for any challenges.
* Responsible for presenting the **Sprint Demo** to all the counterparts of the Project.
* Deployment of the application into **JBOSS** Server for Dev environment and supported QA team for any issues during deployment.
* Preparation of Deployment procedure doc for LIVE server and sending to Deployment team and provide support as required.
* Created and consumed the **Rest web services** for uploading & downloading the electronic signature.
* Debugged the issues to find the root cause using the server logs using putty.

**IonIdea Interactive Private Limited –Bangalore, India Mar 2012 to May 2014**

**Role: Senior Software Engineer**

* ***OMS (Order Management System)*:** Order Management System (OMS) is the system used to take orders across the 4P like Fixed line, TV, Broadband and mobile.

 ***Environment:*** *Core Java 1.6, JSF, Spring, Hibernate, Web services (JAX-WS), JSP, HTML, Net Beans, Postgre sql, Tomcat, Windows XP Professional, JIRA, Jenkins, SOAP UI.*

 ***Responsibilities:***

* Participated during the business and functional requirements discussions of project and interacted with Business Teams.
* Worked on translating the Client’s business requirements to high level design specs and used design patterns.
* Estimation of the assigned task and Technical documentation of the feature.
* Extensively used **Eclipse** debugger in developing and debugging the application logic using the features like setting up the break points in the source code and variables tracing etc.
* Developed different package combinations for the 4P services using **JSF** framework as the UI.
* Created **POJOs** and used **hibernate** for interacting with the Data base layer.
* Handling user requests such as code enhancements, bug fixes.
* Compiled complex **HQL queries** required to fetch the data from Oracle data source.
* Used Junit Framework for writing Unit test cases for business layer.
* Worked with other stack holder teams in getting test data points
* Shared daily status updates with stake holders.
* Created the **maven** pom files to generate the war files
* Worked with demos to management.
* Used JIRA tool for updating the issue status and attached the unit testing document for the dev environment.

**Automatic Data Processing ( ADP ) - Hyderabad, India June 2007 to Jan 2012**

**Role: Senior Member Technical**

**Projects:**

* ***Client Self Service*:** Client Self Service is a portal with Single sign on which allows client users (admins, managers, employees) to manage their dependents, profile, performance summary, professional credentials, total compensation, policies acknowledgment etc.

 ***Environment****: Core Java, JSF, JSP, DOJO Script, Web services, Jenkins, HTML, Java Script, Eclipse, Tomcat, Windows XP Professional.*

 ***Responsibilities:***

* Own the development of the module starting from requirements gathering to development.
* Participated during the business and functional requirements discussions of project and interacted with Business Teams.
* Worked on translating the Client’s business requirements to high level design specs and used design patterns.
* As a developer, my responsibility includes understanding of the requirements and creating the UI layer for the same using **JSP** and **JSF** tags.
* Involved in the design part of the application including **Value objects** design.
* Implemented client side validations using **DOJO** Script.
* Prepared the demo and presented the same to all the stake holders.
* Consumed **JAX-WS** Web services created by other team for adding/updating the performance of an employee.
* Responsible for unit testing of web services and document the response for different inputs using **SOAP UI** tool.
* Developed unit test cases for the business services and created the unit testing documents any issues fixed for process compliance.
* Involved in peer and lead level design/code reviews, thereby following standards.
* Integrated ACS module for the authorization of resources.
* ***Online Total Rewards* : Online Total Rewards (OTR)** is an employer benefits solution that provides employees with online access to their **total compensation**.

 ***Environment****: Core Java, Struts 1.2, JSP, HTML, Java Script, IBM Rational Application Developer 7.5, Web Sphere Application Server 7.0, Windows XP Professional, Hudson.*

 ***Responsibilities:***

* Involved in development of the application UI Layer as using **Struts**.
* Implemented the business validations in the application layer as well as UI layer.
* Created the web services for displaying the policies in the grid using **JAX WS**.
* Interacted with **JDBC** for data base operations and written **sql queries** for interacting with database.
* Participated during the business and functional requirements discussions of project and interacted with Business Teams.
* Implemented the end to end development of the module,
* Used Rational **SVN** as version control system.
* Worked on numerous enhancements and change requests.
* Contributed significantly to Development of application**.**
* Involved in the design part of the application like Value objects design.
* Involved in fixing the bugs or issues raised by the QA.
* Worked with other stack holder teams in getting test data points.
* Shared daily status updates with stake holders.
* Integrated **Jprofiler** and done profiling for the application and shared the findings to stakeholders.
* Created the employee test data to upload into the application for the unit testing.

**EDUCATION:**

Master of Computer Applications from Acharya Nagarjuna University, A.P, India.

Bachelor of Science in Computers from Acharya Nagarjuna University, A.P, India.

**ACHIEVEMENTS:**

* Got Hall of the Fame award over the organization for performance and the ownership of module in ADP.
* Got Associate of the Quarter award over the Business unit in ADP.
* Got Hall of the fame award over the Business unit in Harman.

**CERTIFICATIONS:**

* Sun certified Java Programmer 1.5
* Certified SAFE agile practitioner

**LinkedIn URL:**

<https://www.linkedin.com/in/swathi-inavolu-97333914a/>