KEERTHI BADUGU

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Around 6 years of experience in Software Development Life Cycle (SDLC), including but not limited to designing, development and deploying multi-tier mission critical enterprise applications using Java, J2EE.

**Professional Summary:**

* Extensive experience in enterprise Software Development Life Cycle (SDLC), design patterns, and object-oriented design.
* Experienced in developing web-based java applications.
* Experienced in Design, development and testing of web application and integration projects using technologies such as Core Java, J2EE, JSP, JDBC, Spring MVC, Spring Boot, Hibernate, Kafka and Java Beans.
* Experienced in Object oriented analysis/design and development, MVC architecture/implementation.
* Expertise in Web-Development technologies like HTML, Javascript, JQuery, AngularJS, Angular 5/6/7, Ajax, CSS, XML, XACML and XSL/XSLT.
* Expertise in Dockerizing the applications.
* Experience on Core java technology including Multithreading, JDBC, RMI, and network programming.
* Experience working on persisting java objects using Hibernate that simplify data storage and retrieval to the underlying database.
* Experience in MySQL and NoSQL databases like MongoDb.
* Hands on experience using Micro Services with Spring Boot, Restful.
* Experience working with RESTfulbased web services frameworks.
* Experience in building web applications using Spring Framework features like MVC (Model View Controller), AOP (Aspect Oriented Programming), IOC (Inversion of Control), DAO (Data Access Object) and template classes.
* Knowledge in AWS services including EC2, Auto-Scaling in launching EC2 instances, S3, Cloud Front.
* Ability to adopt new technologies with changing business requirements and apply new tools to build applications.

**Technical Skills**

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| **Languages** | Java, C |
| **Scripting Languages** | Angular JS, Angular, ReactJS, AJAX, JavaScript, HTML |
| **Databases** | MySQL, PostgreSQL, H2, Maria DB, Mongo DB, Elastic Search |
| **Frameworks** | Spring, Hibernate, Vaadin |
| **Technologies** | Servlets, JSP, JSF, CSS, WebServices, Kafka, XACML, Drools |
| **Tools** | Eclipse, Intellij, Maven, Jenkins, Docker, Jira, SonarQube, Fortify, Visual Studio, WebStorm |
| **Web/Application Servers** | Tomcat, Web sphere, JBOSS |
| **Version Control** | SVN, GIT |
| **Operating systems** | Windows, Linux, Mac OS |
| **Test** | Junit, Mockito, Cucumber |

**Education**

* Bachelor of Technology in Electronics and Computer Engineering PVP Siddhartha Institute of Technology, Vijayawada 2015

**Professional Experience**

**AT&T LABS, Middletown, NJ Mar’19-Present**

**Project: POLO (Portal Open Loop Operations)**

**Position: Full Stack Java Developer**

**POLO** stands for Portal Open Loop Operations, which is used to restart, shutdown and to get the status of network resources.

**Responsibilities**:

* Migrated the Servlet application to Spring Boot, and W2UI to Angular 7.
* Developed Log Parser streaming application which will act as VI Editor on showing the live streaming logs on GUI.
* Developed Workflow Process Engine to execute the workflow tasks using Spring Boot Micro Service application.
* Developed Non-Open Stack Action implementations (Start/Stop/Restart/Configure) the VNF’s on fly Asynchronously.
* Developed Network Topology to Show the Network Configuration in Visualization form using D3 js and Vue js.
* Implemented Cucumber test cases to test the api’s in build pipeline.
* Extensive background working closely with J2EE technology and Apache/Tomcat web application server configuration/deployment.
* Use monitoring tools to report and use for research purposes during a system failure. SQL database

queries to see common errors and begin analysis. Use tools such as AppDynamics and Splunk to

monitor system performance.

* Extensively using JIRA-project management tool. Monitor, Manage, Prioritize, troubleshoot and resolve incidents in the ServiceNow/EPDSM incident queue. Provide high-level customer support to remote clients using a support e-ticketing system.
* Added Jenkins pipeline for continuous builds.

**Environment**: Java 1.8, Java EE, Eclipse IDE, Visual Studio, Angular 7, Angular Material, HTML, CSS, Spring Boot, Swagger, Hibernate, git, Junit, JPA, Mockito, Apache Tomcat, Maven, W2UI, Docker, Jenkins, Splunk.

**Verizon Wireless Piscataway, NJ July ’18- Mar’19**

**Project: My Business**

**Position: Full Stack Java Developer**

**My Business:** Verizon My Business is a central platform to purchase or upgrade device or accessories. The application has been migrated from Angular JS to Angular 7and monolithic to Micro Services.

**Federal CLIN Audit:** CLIN is a federal billing audit application, and it stands for Contract Line-Item Number. The Auditing process currently is done based on Manual Procedure. The Application handles on automating the process on generating the data based on the user requested info.

**My Business:** **Responsibilities**:

* Developed the Complete Shopping Cart and Checkout end to end flow on migrating from Angular JS to Angular.
* Developed the backed rest api’s using Spring Boot Rest Controller.
* Used Spring JPA as a persistence layer for db transactions.
* Extensively worked on Elastic Search for search optimization.
* Involved in design and coding phase.
* Actively involved in supporting test driven development.
* Used Log4j for logging and run time debugging of the application.

**Federal CLIN Audit:** **Responsibilities**:

* Developed the Frontend Applicaion using React JS.
* Developed the backed rest api’s using Spring Boot Rest Controller.
* Integrated Hibernate to communicate with TeraData database.
* Actively involved in supporting test driven development.
* Used Log4j for logging and run time debugging of the application.

**Environment**: Java 1.8, Java EE, Eclipse IDE, Visual Studio, Angular 7, Angular Material, React, HTML, CSS, Spring Boot, Swagger, Hibernate, git, Junit, Mockito, JPA, Apache Tomcat, Maven, AEM.

**AT&T, Hyderabad Sep’15 – Feb’18**

**Project: ECOMP Domain 2.0**

**Position: Java Developer**

Network Virtualization Platform creates a network on demand using Policy Engine which is

back bone core Engine for access/deny requests coming from various Network component

clients. The Policy Engine comprises PDP (Policy Decision Point), PAP (Policy Administration

Point), PEP (Policy Enforcement Point) and PIP (Policy Information Point). The PEP is the

system Entity that performs access control by making decision requests and enforcing

authorization decisions. The PAP creates a Policy or Policy set which has the User Interface and

the PDP evaluate the decision in the background to access/deny the requests from the clients based on the Policy with PEP. AT&T Policy Engine which we are developing is a key back

bone for the AT&T Network Infrastructure.

**Responsibilities:**

* Developed Policy for ECOMP network framework, currently open source (ONAP) using XACML, JBoss Drools.
* Involved in analysis, design, and high-level coding phase.
* Designed and developed the application using Agile Methodology.
* Developed API for Java, REST calls and Python modules to use the policy application servers.
* Developed notification services to implement push notification scheme in distributed systems using WebSocket and Kafka.
* Implemented Security Basic Authentication and custom authorization services for the RESTful web services.
* Worked on MySQL/MariaDB database and Elastic Search for search optimization.
* Developed the UI using Vaadin and XACML.
* Migrated the Application from Vaadin Framework to AngularJS and used Spring and Hibernate for backend Implementation.
* Developed and deployed the application on Tomcat server.
* Designed Sequence chart, Class diagrams and deployment diagrams using UML.
* Built application using Maven.
* Monitored the error logs using Log4J and fixed the problems.
* Developed JUnit test cases for all the developed modules.
* As part of support to existing platform, played a major role in trouble shooting issues and fixing production issues.
* Developed shell scripts to automate the installation and build process.
* Used Jenkins for Continuous integration.

**Environment**: Java 1.8, Java EE, Eclipse Luna, JBPM, Vaadin, Angular JS, JavaScript, AJAX,

HTML, CSS, Jersey RESTful framework, Spring, Spring MVC, Spring Rest Services, Hibernate,

git, Junit, JPA, XACML, UML, H2 Database, Apache Tomcat, Maven, ivy.

**Personal Projects:**

**Github**: <https://github.com/keerthibadugu>