**Vamsi Akshaypatra **

**Full Stack JAVADeveloper**

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**Phone: 603-858-1997**

**PROFESSIONALSUMMARY:**

* Around 9 years of experience in IT industry with strong emphasis Object Oriented Analysis, Design, Development and Implementation, Testing and Deployment of Software Applications and Web enabled applications.
* Expertise in Java/J2EE technologies, such as Core Java, Struts, Spring, Hibernate, JDBC, EJB, JMS, JSP, JSTL, HTML, JavaScript, JQuery,CSS, JSON etc.
* Good working experience as a Java/J2EE programmer developing applications using Servlets, JSP, JSTL, RMI, EJB, Struts, Spring, JSF, Java Beans, JDBC, JMS, Hibernate and MVC architecture.
* Exposures working with design patterns like MVC, Front Controller, Data Accessor, Value Object, Singleton and Session Facade.
* Experience working in Spring Framework, Struts Framework and Hibernate framework.
* Good Understanding of **Service Oriented Architecture (SOA)** and Web Services with XML, XSD, WSDL and SOAP.
* Worked on different Application and Web Servers like IBM Web Sphere, BEA **Web Logic, Apache CAMEL, TOMCAT** and JBoss.
* Experience in Object oriented analysis and design (OOAD), UML and Design Patterns.
* Proficiency in programming with different Java IDE's like Eclipse, IntelliJ, IBM RAD 6.x/7.x, WSAD and NetBeans.
* Strong experience in RDBMS technologies like SQL, Stored Procedures, Triggers, Functions.
* Experience in Mercurial, SVN, Clear Case, version control systems.
* Strong communication skills with professional attitude and can take the pressures to drive with enthusiasm to support of client Hadoop Cluster environment with full potential.

**TECHNICAL SKILLS**

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| **Languages** | Java, SQL, HTML, DHTML, JavaScript, XML, C/C++. |
| **Java/J2EE Technologies** | JSP, Servlets, JavaBeans, JDBC, JNDI, JTA, JPA, EJB 3.0 |
| **Design Patterns** | MVC, Session Facade, Service Locator, Data Access Object, Data Transfer Object / Value Object, Business Delegate |
| **Web Design Tools** | HTML, DHTML, AJAX, JavaScript, jQuery SASS CSS |
| **Version Control Tools** | CVS, Rational Clear Case |
| **Frameworks** | Struts 1.1/2.0, Spring 2.5, Hibernate 3.0 |
| **Servers** | Web Logic Server 10.3, JBoss 6.0, Camel, Tomcat 5.5/6.0 |
| **IDEs** | NetBeans, Eclipse, IntelliJ, SQL Developer, Rational Rose for Java, JBuilder 4.0. |
| **Databases** | Oracle 9i / 10g/11g, SQL Server 2008, MS-SQL Server. |
| **Operating systems** | Windows XP/NT, Linux, UNIX, DOS |
| **Other Tools** | MS Office, Chrome Developers Tool, IBM WTX and WMB. |

**EDUCATIONS:**

**B.E in Computer Science Engineering.**

## PROFESSIONAL EXPERIENCE:

**Duration: Jan 2017 to till date**

**Client:Volkswagen, Auburn Hills, MI.**

**Role: Sr Full Stack Java Developer.**

**Environment: AWS, Java (jdk1.6), CI, CD, SVN JENKINS, CHEF, Oracle 11g/10g, Oracle SQL, PL/SQL, NOSQL, Spring 4.x, AWS, BPM , SQL\*PLUS, Windows NT, Linux Shell Scripting, HTTP Invoker.**

**Responsibilities:**

* **Designed** and developed the user interface layer using JSP, CSS and HTML.
* Involved in developing **use cases** for the project using **UML**.
* Using a combination of **JSPs, GWT, HTML and JavaScript for the front end**.
* Involved in designing **AJAX** calls for various components using **GWT**.
* Tools Used**: Jenkins, JIRA, Cloud foundry, unviewed.**
* Involved in developing the custom **GWTevent propagation and handling**.
* Developed the Application making use Java 8's new Streams API and parallel Streams to partition the streams.
* Worked closely with SAP team for all the SAP- Hybris integration activities as part of the order-invoice fulfillment process.
* **Micro services** development using Spring boot, Tomcat, Spring REST, Hibernate etc. to replace legacy Mule based ESB system.
* Designed and implemented a lead discovery web application using **Typescript, Reacts JavaScript, HTML, CSS, MVC, and Web API.**
* Involved in designing the Graphical User Interfaces, Webpages using HTML5, Angular JS,**ReactJS**, Jasmine, JSP, JS, BOOTSTRAP.
* Involved in implementation of Content management system (CMS) for website content Maintenance and categorization of products.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s, **Spring Boot** for micro-services.
* Implemented API Gateway pattern with Spring Cloud, API Registration and Discovery with Spring Cloud, Spring data **Mongo DB**.
* Implemented common cross-service features used by all Java service as a**Drop Wizard** bundle
* Developed a fully configurable RESTful web application, using **Drop Wizard** framework for Java, which would monitor the state of AWS instances and notifies if the instances are dead for the specified amount of time using AWS SNS.
* Automation of test cases using**Selenium** Web driver, TestNG, Page object Model(POM)
* Deployed LAMP based applications in**AWS** environment, including provisioning MYSQL- RDS and establish connectivity between EC2 instance and MySQL-RDS via security groups.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Use**AWS**Code Commit and understand the array of options for enabling a Continuous Integration environment on**AWS**.

**Client: Vanguard Group, Malvern, PA.**

**Duration: Jun2016 to Dec 2017**

**Role: Full Stack Developer**

**Environment: AWS, CA API Gateway, Radiant logic, CI, CD, BITBUCKET, BAMBOO, Java JDK (1.6), Java 8, Struts,Angular , Spring boot,Oracle 11g/10g,Hibernate, OAuth, SQL, HTML, XML, Agile, Casandra, Restful Web services.**

**Responsibilities:**

* Involved in Analysis, development, testing, integration and deployment of the web services.
* Involved in **Agile** methodology to get updated with team
* Implemented Agile methodology, test driven development (TDD) and**Pair programming**to develop web applications in Rails and React.js; Used knowledge of PostgreSQL for database extraction.
* Worked in AWS products like Amazon CloudFront, Amazon VPC, AWS Direct Connect, Elastic load balancing, Amazon Route 53.
* Involved in development of User Interface using HTML5, CSS/CSS3, JavaScript, and jQuery, AJAX and JSON
* Expertise in setting up the enterprise infrastructure on Amazon Web Services (AWS) like EC2 instance, EBS, S3 Bucket, AMI, ELB, Security Groups, Auto Scaling, RDS, IAM Cloud formation, Cloud Front & VPC services.
* Used **spring** framework to implement the **MVC design pattern**.
* Used**Spring boot**created REST API's per the application business to perform search using elastic java sdk.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) and CI/CD in Agile, SCRUM, Waterfall methodologies.
* Well experienced in working on Source Control Management Systems like Git using Subversion (SVN), Bitbucket and GitHub/Gitlab.
* Expertise in Application Deployments & Environment configuration using Ansible, Chef, Puppet.
* Knowledge and understanding of**Cloud native application architecture** (12 factor application/micro services architecture/PAAS/API based collaboration).
* Experience building**Cloud native app** with Spring Framework and Spring Boot (Auto Configuration)
* Used SPRING BOOT task scheduler to load files based on specific time interval to read the data.
* Experience in **Service Oriented Architecture(SOA)**, Message Oriented Middleware and Enterprise Application Integration to develop highly performing fault tolerant systems.
* Have experience with Component based framework **Apache wicket.**
* **MYSQL**database backup and recovery strategies and Replication and synchronization.
* Used **hibernate** to map the domain elements and Criteria API, named query for querying
* Developed the **REST web service** using **Spring IOC** to provide user a way to run the job and generate daily status report on loans
* Developed Data Access Layer using Spring Data with JPA annotations, Spring Boot Integration with**Mongo DB**.
* Experienced in MVC & MVVM architecture and using frameworks like **Angular 2.0,ReactJS,**to build Single Page Application (SPA).
* Created robust user Interface (UI) using HTML5, CSS, JSP, JavaScript, Custom Tags, jQuery, JSON, XML, Angular.js, Node.js and backbone.js.
* Hands-on experience using one-way/two-way data-binding, directives, controllers, filters, ui-routers and creating custom directives in**AngularJS**.
* Hands on experience in migrating Business from aon premise infrastructure environment to**AWS**.
* Experienced in setting up EC2 instances, security groups and Setting up databases in**AWS** using S3 bucket and configuring instance backups to S3 bucket. Performed S3 buckets creation, policies on IAM role based polices, MFA and customizing the JSON template.
* Good knowledge of Oracle 10g/9i/8i/7.x and Document**DB2**, MySQL, **NoSQL**.
* Hands on experience on**Cassandra**and oracle database architecture with better understanding and write processes including Mem-table and Commit Log.
* Developed several **Integration solutions to connect enterprise (EAI) data**, processes, and systems.
* Hands on experience with **Core Java with Multithreading**, Concurrency, Exception Handling, File handling, IO, Generics and Java collections
* Creating SSL certificates for windows servers and **LINUX** Servers.
* Having experienced in Agile Methodologies, Scrum stories and sprints experience in a **Python** based environment, along with data analytics, data wrangling and Excel data extracts.
* Used **Apache Tomcat** Application Server for application deployment in the clustered window environment
* Interfaces with the agency's Distributed system support group to ensure the Distributed processing plan is consistent with the agency objectives, and is compatible with existing applications and security requirements.
* Developed a **Spark** job in Java which indexes data into**Elastic search**from external Hive tables which are in HDFS.
* Extensively involved in developing and consuming **Restful web services.**
* Architected workflow solutions including pre-commit scripts, pre-receive hooks, and custom **GitHub API scripts**
* Used**Java8** lambda expressions and predicate functionalities as part of developing the Application.
* Integration and Development across Infrastructure stack, mainly AWS and **VMware**, one of our key product offerings required we maintain and support infrastructure for Azure, **open stack**.
* Wrote complex SQL query to pull data from different tables to build the report.
* Configured Selenium **Web Driver,Maven tool** and created selenium automation scripts in java using TestNG prior to agile release.
* Committed the code changes to SVN using **Tortoise SVN.**
* Developed **Junit** test cases, to test each class as part of unit testing
* Automating end to end workflows using tool win runner for **trading application**.
* Preparing QA Reports.  experience in sting with client server and web based environments.
* Testing web services for ticker screen stock price, current forex rates.
* Closely worked with developers, business analyst, production support and other groups interfacing with the product.
* Strong Knowledge in computer fundamentals like Data Structures and**Algorithms**.
* Involved in making enhancements to a standalone application and deploy in**Production**.
* Write, maintain and execute test cases for new functionality/bug fixes.

**Duration: Mar 2014 to Apr 2016**

**Client:Hudson Bay, St. Louis, MO.**

**Role: Core Java Developer**

**Environment: AWS, Java (jdk1.6),CI,CD,JENKINS,CHEF, Oracle 11g/10g, Oracle SQL, PL/SQL, NOSQL, Spring 4.x,AWS, BPM, EAI, SQL\*PLUS, Windows NT, Linux Shell Scripting, HTTP Invoker.**

**Responsibilities:**

* **Designed** and developed the user interface layer using JSP, CSS and HTML.
* Involved in developing **use cases** for the project using **UML**.
* Using a combination of **JSPs, GWT, HTML and JavaScript for the front end**.
* Involved in designing **AJAX** calls for various components using **GWT**.
* Tools Used**: Jenkins, JIRA, Cloud foundry, Unviewed.**
* Involved in developing the custom **GWTevent propagation and handling**.
* Developed the Application making use Java 8's new Streams API and parallel Streams to partition the streams.
* Worked closely with SAP team for all the SAP- Hybris integration activities as part of the order-invoice fulfillment process.
* **Micro services** development using Spring boot, Tomcat, Spring REST, Hibernate etc. to replace legacy Mule based ESB system.
* Designed and implemented a lead discovery web application using **Typescript,Reacts JavaScript, HTML, CSS, MVC, and Web API.**
* Involved in designing the Graphical User Interfaces, Webpages using HTML5, Angular JS,**ReactJS**, Jasmine, JSP, JS, BOOTSTRAP.
* Involved in implementation of Content management system (CMS) for website content Maintenance and categorization of products.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s, **Spring Boot** for micro-services.
* Implemented API Gateway pattern with Spring Cloud, API Registration and Discovery with Spring Cloud, Spring data **Mongo DB**.
* Implemented common cross-service features used by all Java service as a**Drop Wizard**bundle
* Developed a fully configurable RESTful web application, using **Drop Wizard** framework for Java, which would monitor the state of AWS instances and notifies if the instances are dead for the specified amount of time using AWS SNS.
* Deployed application using **Pivotal Cloud Foundry**(PCF).
* Automation of test cases using**Selenium** Web driver, TestNG, Page object Model(POM)
* Deployed LAMP based applications in**AWS** environment, including provisioning MYSQL- RDS and establish connectivity between EC2 instance and MySQL-RDS via security groups.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Use**AWS**Code Commit and understand the array of options for enabling a Continuous Integration environment on**AWS**.
* Developed scripts using Custom Functions, inserting checkpoints, Recovery Scenarios, and Descriptive Programming in**QTP**.
* Deployed application using **Pivotal Cloud Foundry(PCF)** CLI.
* Developed data driven framework for**Service Oriented Architecture(SOA)**testing using CA LISA for automation of Web service using assertion and chained call.
* Completed numerous user **ad- hoc** report/query requests.
* Used**AngularJS**as framework to create Single Page Applications which can bind data to specific views and synchronize data with server.
* Worked on creating log-in authentication modules using**AngularJS**and JavaScript.
* Currently working on**Docker**container implementation for the Enterprise build system.   
  Involved in scrum based team meeting for improving and enhancement of Enterprise Build.   
  Environment: Kubernetes, Open shift,**Docker**, Cloud bees, Elastic search, Red hat 7, Git, Cloud bees, Jenkins, JIRA, Docker lint, F5, Java, Agile, Scrum, **Angularjs**, **Bootstrapdevelopment using Golang**, JDBC, Geronimo.
* Have integrated the**Apache Wicket**with **ORM hibernate** framework for persistence **API**.
* Involved in customizing the **widgets** as per the business requirements using **GWT**.
* Troubleshooter issues concerning **Apache Tomcat** during deployment
* Experienced in designing and developing automation and other IT Process Automation capabilities with the**AWS**platform.
* Hands on experience in migrating Business from aon premise infrastructure environment to**AWS**.
* Experienced in setting up EC2 instances, security groups and Setting up databases in**AWS**using S3 bucket and configuring instance backups to S3 bucket. Performed S3 buckets creation, policies on IAM role based polices, MFA and customizing the JSON template.
* **Analyzed** and implemented the **Spring-MVC** framework.
* Involved in resolving business technical issues.
* Used standard Python Modules e.g. CVS, Robot Parser, tier tools, pickle, jinja2, for development.
* Implemented **SOA** in developing the services using **JAX-WS**.
* Used **Multithreading** in programming to improve overall performance with core Java.
* Used Spring framework in the development of a business bean and to interact with the **Hibernate ORM** tool.
* Developed the Application making use Java 8's new Streams API and parallel Streams to partition the streams.
* In the planning stage of redesigning the Linux scripting on**VMware**production environment to 5.5 u3 and also meet industry best practices
* Involved in writing **Unix** scripts.
* Involved in writing **technicalSpecifications** for the application.
* Involved in developing the **functionalspecifications.**
* Used **Hibernate** to interact with the Oracle database and to retrieve, insert and update the data.
* Developed and tuned the database SQL and PL/SQL queries.
* Used **AspectJ** for creating the aspects for logging in the application.
* Written the **JUNIT** test cases for the functionalities.
* Used **JPA** for managing the relational data.
* Used **SOAPUI** for testing the web services.
* Involved in gathering the **requirements**, and leading a team in developing an application.

**Duration: Jan 2013to Feb 2014**

**Client: Nestle, Glendale, CA.**

**Role: Core Java Developer**

**Environment: JSP, Servlets, Spring boot, Struts 2.0, JDBC, JMS, WebLogic, HTML, CSS, Java Script, Putty, IVR,Visual Source Safe, Oracle 10g and HP-UNIX.**

**Project: Global Partner Portal.**

**Responsibilities:**

* Involving in development of Action classes and Action Forms which is a part of Struts 2.0 Framework
* Developed server side validation using Struts 2.0 validations framework.
* Developed JSP’s for Presentation layer.
* Developed the DAO classes for Data layer using JDBC.
* Data driven**SOA**Automation framework development using HPST
* Testing web service of**Service Oriented Architecture(SOA)** as well as events and schedules.
* Documented the requirements including the available code which should be implemented using Spark, Hive, HDFS, HBase and **Elastic Search**.
* Developed a Spark job in Java which indexes data into**Elastic Search** from external Hive tables which are in HDFS.
* Designed and developed the REST based**Micro services**using the Spring Boot, Spring Data with JPA.
* Proficient in using**ReactJS** for creating reusable components along with sliders, charts, grids and handling events and DOM objects.
* Experienced in applying**AngularJS**features including MVC and two-way data binding for the development of single page applications.
* Involved in application deployments, restarting of the managed servers in WebLogic Application Server and clear the logs when it exceeds hundred percent
* Used**Spring boot** created REST API's per the application business to perform search using elastic Java sdk.
* Used**Spring boot**task scheduler to load files based on specific time interval to read the data.
* Configured digital certificates, using java key tool for secured applications
* Enhanced the existing shell script to archive the file system
* Involving in the Support activities like monitoring scheduler jobs and processing the documents in the UNIX Server and setup the configurations to extract the documents from CDS+ server
* Configured croon jobs in UNIX servers to run the jobs on regular intervals automatically

**Duration: Dec 2010 to Oct 2012.**

**Client:MEDU, Hanover, NH.**

**Role: J2EE Developer**

**Environment: J2sdk 1.5, JBoss3.2.7, ANT, JDBC, HTML, JavaScript, AWS, Struts1.x, Hibernate 3.0, JSP, Servlets, Log4j, Junit 3.8.1., Eclipse 3.1.1, JBoss Plugins, JMS in JBoss, CVS, CSS and JS, SQL Server.**

**Project: LTI - IMS Learning Tools Interoperability**

Description: LTI provides the capability for the creation, launching and utilization of basic LTI (IMS Learning Tools Interoperability) links from within our LMS to 3rd-party password-protected applications that are defined by a customer and configured within LMS. It will allow our platform to act as an LTI Tool Consumer, passing login credentials for a user on to external applications acting as LTI Tool Providers so that user can be authenticated in the other applications

**Responsibilities:**

* Responsible for the development & unit testing of Staffing Request module using Struts.
* Prepared architectural prototype to validate the architecture and baseline for the development.
* Involved in system design and development in Core Java using Collections, multithreading.
* Developed JUnit test cases and validated users input using regular expressions in JavaScript as well as in the server side.
* Design and develop a Next Generation IP (Intellectual Properties) sharing system which enables sharing of engineer’s IP across the world. Implement**WSO2 API gateway/management**, SSO using **SAML2, OAuth** and Involve in rolling out the**WSO2** and Air Watch Mobile Device Management on enterprise level
* Configured the Queues and topics on the **JMS** of the JBOSS server.
* Performed test planning and test designing in **Python and selenium** and created test cases and executed both manual and automation testing activities. Also executed defect prioritization and management
* Used Struts tag libraries and custom tag libraries extensively while coding JSP pages.
* Interact with clients to understand their needs and propose design to the team to implement the requirement.
* Train team members to understand the system and how to use it.
* Developed PL/SQL objects like packages, procedures and functions.
* Always adhered on Quality processes during delivery on tasks to client.
* Excellent grasp of Data Structures and Algorithms and various software design patterns.
* Provided Test Scripts and Templates with test results of each task delivered to the client team.
* Always used the best practices of Java/J2EE and minimize the unnecessary object creation, encourage proper garbage collections of un-used objects, always keep try to minimize the database call, always encourage to get all data in bulk from database to get best performance of application.

**Duration: Aug 2008 to Sep2010**

**Client: klickto(ECOMMERCE), India**

**Role: Jr. Java/J2EE Developer**

**Environment: JAVA, JSP, Servlets, JNDI, JUnit, XML, IBM Rational Application Developer (RAD), WebSphere, SQL Server 2003, Log4j, Windows XP, SVN, ANT.**

**Responsibilities:**

* Involved in Analysis, Design, Development, and Testing phases of the project
* Used design patterns like Service locator, Data Access objects, and **MVC**
* Developed business logic using **EJB.**
* Development on Fix version Upgrade for **Equity trading platform** to support FIX4.2 and FIX4.4 include support for new tags in those protocol and related behavioral changes to the system
* Designed and developed the user interface using **JavaScript**, **HTML** and **CSS**
* Provided support related to FIX protocol, **Electronic trading platform**, IOI, Crossing networks, Dark Pool, Algorithmic trading, FIX connectivity FIX 4.0 & 4.2, Equities, derivatives and fixed income, SQL, ETL.
* Involved in designing, developing and configuring server side **J2EE** components like **JavaBeans**, **JSP**, **Servlets**, **JNDI**, and **XML** using **IDE- RAD** and deployments in WebSphere
* Used Hibernate for mapping objects to the relational database
* Responsible for configuring the WebSphere Application Server to access the Database by setting up Data source and Connection Pool.
* Deployment is done **Web Sphere**.
* Generated **SAX** Parsers using **XML** Programming
* Utilized **Log4j** for request / response / error logging