**ALEJANDRO HERNÁNDEZ**

**Sr. Java Developer**

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**Professional Summary**

* **15+ years of Java experience by programming and developing solutions, according to customer’s requirements by gathering and analyzing them to implement a functional solution for customers and end users.**
* Implementing Best practices to fulfill business requirements and improving the performance in Java code by speed and memory, sometimes using **Design Patterns** among: Template, Factory, Singleton, Façade, Memento, and others using Interfaces and Dependency Injection using the base of**SOLID** principles. As well as understanding the main flow of information according to Business Requirements.
* Following Scrum's Principles: **Agile methodology, Adaptive planning**, **Iterative deliverables,** and **Scrum Meetings** to achieve goals within team's members.
* **Solid 5+ years’ experience** with **Java 8** (With the base of OOP concepts and new features like Streaming or Functional programming) with frameworks to accomplish business requirements, frameworks like **Spring** (and many modules like **Spring Boot or Spring MVC or Spring JPA**) by using DI (Dependency Injection) and annotations to interact with Microservices.
* **Extensive experience with DevOps and CI CD including but not limited to JUnit** or **Mockito** framework to work with **CI/CD** (using tools like **Maven** or **Jenkins** or **Hudson**).
* Working with **ORM**frameworks (like **Hibernate**, **Spring JPA**) to do interaction with **SQL** Databases (like Informix, **Sybase, DB2, Postgres, MySQL, Oracle**) as well with **NoSQL** (like **Cassandra, Mongo DB, Hadoop**).
* Use of interaction for **Java** components are done with **JSON or XML** structure then parsed and building messages in that format. Where the interaction on web was done by micro-services via **SOAP** and mainly **RESTful** web services, handling information by **MQservices** to handle queues or topics with subscribers (like **Kafka, ActiveMQ or JMS** servers).
* **Strong experience with cloud technologies like AWS (specifically with S3 servers and setting connectivity and interaction with APIs and Java components) as well as Azure to set the interaction with the GIT repository and run tests to publish this microservice on the Server.**
* Working with Backend as well with Frontend, with tools like: **HTML, JavaScript, CSS, Node.js, jQuery, PHP**. To keep a friendly interaction with the user and to improve the performance in the flow of the application.
* Leading and helping teams as well as debugging and troubleshooting code with my experience.
* Juniors training and Bug tracking experience to fulfill business requirements. Applications maintenance, as well as designing reports and documenting the flow of applications of previous implementations.
* Implementing the code according to best practices of Java as well as vulnerabilities in code and following concepts to complete **SDLC**.

**Technical Skills**

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| --- | --- |
| Programming Languages | **Java (since version 4 to version 8), C, C++, Pascal, SQL, JavaScript, PHP, Visual Basic 6.0.** |
| J2SE/J2EE Technologies | **Java, J2EE, J2ME, SWT, JMS, JMeter, Log4j, JRules.** |
| DevOps (web) | **SOAP, Rest / Azure, Jenkins, Hudson, Maven, Jira, Confluence.** |
| Frameworks | **Agile, RCP (*developing plugins and microservices*), ORM like Hibernate, Spring 2.0, Fork-Join, Spark, MapReduce, Hadoop, Servlets, Restful, SOAP, SOA, Tapestry 3.0, Tiles, JSF, JSP, Ajax, Primefaces, jQuery, JDBC, Spring Boot.** |
| Web Languages | **HTML, XHTML, CSS, XML, XSL, XSD, DTD, XSLT.** |
| Web Servers | **Apache Tomcat 4.1/5.1, Glassfish, Web Sphere 5.1/6.0, Oracle WebLogic, JBOSS, J2EE Server 1.4, Active MQ, AWS, Kafka, Karaf.** |
| IDEs | **RAD 6.0, WSAD 5.1, Eclipse 3. (1-4), Net beans, My Eclipse 4.1.1, Borland Together.** |
| Operating Systems | **Windows 2000/XP/7/8/10, UNIX (LINUX, RED HAT), MacOS, Palm OS.** |
| Development Methodologies | **Unified Modeling Language (UML), Design Patterns (categories: Structural, Behavioral and Construct) and its base MVC (Model View Controller), Rational Unified Process (RUP), SCRUM (Agile).** |
| Testing | **Mockito, JMeter, JUnit, SoapUI, Postman.** |
| Version control | **GIT, SVN, CVS, Subversion.** |

**Education**

Master’s Degree atLatin American University 2014- 2015

MBA-Project Management.

Bachelor’s Degree at National Polytechnic Institute 1999- 2003

B. Sc. Computer Engineer.

Professional License: 4598336.

**Certifications**

Scrum Study: SCRUM Master Certified – 2019

Sun: Sun Certified Java Programmer, Platform 1.4 – 2005

Microsoft: Installing, Configuring and Administering Microsoft SQL Server 2000 – 2003

Microsoft: Designing and Implementing Desktop Application with Visual Basic 6.0 – 2003

**Work Experience**

**Brillio/EBay, Austin, TX April 2020 – Feb 2021**

**Role:Sr. Java Developer**

**Description:**The Brillio team’s mission has been to bring innovation to the digital world and provide the best customer experience possible through true partnerships and integration with our clients.

**Project description:** Research, improvement, maintenance, and assistance of eBay applications to migrate all applications to the Spring Boot framework.

**Responsibilities**:

* Daily **SCRUM** meetings.
* Understanding old workflow to migrate to new **Spring Boot** framework and Lombok library.
* Migrating queries and tables from **SQL**to **NoSQL DB(Mongo DB)** and checking the functionality in testing servers.
* Migrating previous code implemented in Java 5 to Java 11
* Migrating Microservices implemented in Spring Framework to Spring Boot and annotations of it
* Testing the new implementations using **Web services** defined by all servers in eBay.
* Configuring Developing and the access to AWS servers (*named as S3 servers*)
* Use of GitHubrepositories to work with Jenkins with servers located in Texas and California
* XML messaging to parse and manage between web services

**Environment:**Java 11, Eclipse, Spark, Spring Boot, Lombok, Microservices, MongoDB, PL/SQL.

**Infosys/Verizon, Dallas TX December 2018 – November 2019**

**Role:Sr. Java Developer**

**Description:**Infosys is a global leader in next-generation digital services and consulting. We enable clients in 46 countries to navigate their digital transformation.I was involved in the maintenance and support of XO’s application to migrate them with Verizon.

**Responsibilities:**

* Following customer’s standards according to its best improvement and manager’s instructions.
* Daily standup meeting to fulfill customer’s requirements, by following **SCRUM** and **Agile** principles.
* Research and learning with practices and courses of new technologies in the market according to Infosys’ training in its web page, like: Features of **Java 8** and **SCRUM** Principles.
* KT (Knowledge Transfer) from owners of the applications. Fulfilling documentation according KT.
* Research, Implement and Test the updates according to the workflow of the application.
* Development of application to read and store in files data received from Web Services and update in **Oracle DB** server, using **WildFly’s webservices**.
* Configuring Developing and the access to AWS servers (*named as S3 servers*)
* Reviewing Application’s issues with **Fortify scan**, according to Verizon’s rules and **Java 8** features, then research, update and test the code by implementing the solution of the issue.
* Sharing the code in GitHub repository to run Fortify scans and implementing the new rules dictated by Verizon
* Reviewing Application’s issues with **Black&Duck** to verify dependencies management according to Verizon’s rules, then research, update and test the libraries.
* Updating tables according to requirement from tickets issued by the user in the monitor server.
* Deploying **RESTful** web services using **Spring Boot** as a personal course and Local databases **DB2**

**Environment:**Java 8, Eclipse, Springboot, Microservices, JUnit, WildFly 11.00, Oracle SQL, Fortify scan, Black&Duck, XML parsing

**TESCHGlobal Ltd, Grafton, WI USA October 2016 – August 2018**

**Role:Sr. Java Developer**

**Company’s Description:**Bridging the gap between business and IT operations for the customers by aligning business strategy and digital technologies.I was part of the development group to fulfill company's customers' requirements and needs.

**Project Description:**Be part of the development group to fulfill company's customers' requirements and needs.

**Responsibilities:**

* Daily standup meeting to fulfill customer’s requirements, by following **SCRUM** and **Agile** principles.
* Design with **UML** and develop business logic in **JAVA** to improve performance of business transactions for **CRUD** operations with databases like **MySQL**, using **Hibernate Framework**.
* Working in collaboration with the Frontend using **JavaScript, CSS, jQuery and Ajax Frameworks** for testing the integration of components and the integration in the application.
* Designing and Implementing mockups using **Node.js** to show the look and feel of the future webservices
* Development of Webservices for application consumption, in **Java** with **XML** and **JSON** and interacting with Frontend like **JavaScript’s, HTML, CSS.**
* Starting from scratch, **OSGi** components with Maven.
* Leading junior developers to understand the flow of the application and the best way to implement the code according to business requirements.
* Preparing **Talend** processes and use Java components to integrate functionality to Talend
* Developing Plugins, Microservices and Features for Talend application which is a free RCP application that can be improved.
* Building access to **S3** servers (**AW Server**) to create folders and store jar files in them.
* Building data set according to requirements with **Spark** libraries and use **Spark APIS** could use them.
* Handling **Kafka** and **Tomcat** servers to publish Web applications.
* Implementing **Service Mix** and **Karaf** to store **OSGI** plugins (Java plugins)
* Using and handling **Karaf** as **OSGI** container.
* Following process for **HL7** format (used in medical companies) and parsing **JSON** response from Health Process.
* Developing mockup presentations in Ruby and Node.js to deliver a mockup of user interaction.
* Use of Confluence and Jira as tools of integrationto collaborate with the team.
* Deploying **RESTful** web services using **CFX**and integrating the code via Github repository.

**Environment**:Java 8, Eclipse, RCP (plugins and microservices), JUnit, JavaScript, Node.js, Talend, Scrum-Agile, Confluejnce, Jira, ServiceMix, Kafka, Karaf, Ruby, SWT, Design Patterns, AWS (s3 servers), Servlets, Libraries of Spark, Webservices, JBoss, Maven, Hibernate, HTML, RESTful, CFX, Microservices, MySQL, Karaf.

**Company:Praxis Consulting, KIO Networks – Mexico August 2016 – October 2016**

**Role:Software Developer**

**Company’s Description:** Strengthen the development of companies through the appropriate use of information technologies.**Project description:**Review of issues in “Procesar” Company. Code implementation by JPA Framework.

**Responsibilities:**

* Analysis of the customer's flow
* Digging in code to realize the process by decompiling the code to reviewing the flow using **Java Visual Decompiler**.
* Finding bugs in process reported and improvement of **Java 7** code.
* Review of performance with **Dynatrace**.
* Publishing the implementation of webservices in **WebLogic.**
* Handling team’s code by **SVN**.

**Environment:**Java 7 8, Eclipse Neon, JPA, WebLogic, Dynatrace, Java Visual Decompiler.

**Company:UST Global/Safeway, Mexico/CA-USA January 2016 – July 2016**

**Role:Sr. Java Developer**

**Company’s Description:**Led by our employees and supported by our corporate strategy, we’re creating positive change across the world.

**Project Description:** Knowledge of Software implemented. Scrum master daily meetings. Solving issues found in the code for upcoming delivery.

**Responsibilities**:

* Research of customer's code implementing Play Framework with **Java 8**
* Building background process using **Java 8**, required in Scrum meetings.
* Building processes in Java to get information from **Cassandra server.**
* Use of **Thymeleaf** to display the solution done by the back end.
* Handling team’s code by **GitHub**.
* Deployed the application using **J2EE.**
* Testing the application with **JUnit** and **Mockito** framework to integrate the components by **Jenkins**.
* Design and analysis of reports issued by **New Relic app**
* Updating code in repository to run **JUnit** test to apply scripts in **Azure** and understanding the design of those scripts
* Reporting status in internal company

**Environment:** Java 8, Cassandra CQL, Play Framework, XML, Eclipse, JMS, JUnit. New Relic, Azure, Dandelion, Thymeleaf.

**Company:Quimera and Blackthorne, Mexico/WI-USA July 2011 – December 2015**

**Role:Sr. Java Developer**

**Company’s Description:** Insights from Non-Traditional Data Sources Complement Traditional Sources. Java software developer to accomplish business requirements.

**Project Description:** Software developer according to business' requirements.

**Responsibilities:**

* Gathering and Analyzing Requirements
* Development of plugins to be used on **RCP** applications.
* Development of **RESTful** Web Services on **Java** to be handled in **Tomcat**servers.
* Stress testing of Web Services by **JMeter**.
* Development of web pages using Play 2.**0** and **Java Server Faces** as framework and **Scala** as language.
* Interact of Views like **PHP, JSP, JSF, HTML, CSS.**
* Leading juniors to implement good practices in the code to develop requirements.
* Design a Proof of Concept of Multithread using **Fork/Join** framework on Parallel Computing.
* Development of application to connect to **Yahoo Finance markets**.
* Using the **CD/CI** Testing the Integration with Hudson to integrate the **OSGi** components.
* Design, development and implement plugins to interact between **RCP** components and **MySQL** information by Hibernate with financial data gathered from Yahoo and Logs from internal database.
* Design of database in **MySQL** and Development of system to log all errors in that database and send emails to managers when occurs system’s and server’s error.
* Initial development of **OSGi** components with Maven.
* Improving code of bulk insertion by **MapReduce** framework.
* Understanding concepts of **NoSQL** database, implementing **Hadoop** server and use of **Kay/Value** entities to improve the code by Map/Reduce technologies
* Handling team´s code by **SVN.**
* Integrating code by **Hudson** scripts.
* Development of application to handle and build **JMS** Queue on **ActiveMQ** Server.
* Development of application to read and store in files data received from **Web Services.**
* Development of plugin to handle user and passwords to login to application, using Web Services via **SOAP** and **RESTful.**

**Environment:**Java 7, SQL, XML, Eclipse RCP (plugins and microservices), SWT, UML, SVG, JAX-WS, ActiveMQ, Tomcat, Maven, Hibernate, Threads and Parallel Computing, Hadoop, NoSql, Fork and Join, MapReduce, JMS, Log4j, Play Framework, Scala, SVN, Hudson, MySQL, JMeter, JUnit, PHP, CSS, Yahoo Finance API.

**Company:Grupo IISI/Telcel, México November 2010 – May 2011**

**Role:Java Developer**

**Company’s Description:**Promote the importance of information technologies as a meaning of innovation to generate value and competitiveness for companies.Java software developer to accomplish business requirements.

**Project Description:** Software developer according to business' requirements

**Responsibilities:**

* Researching and documenting the current process ­of the program.
* Understand the flow of system to interact with customer's score’s credits.
* Development of **REST Web Services.Testing Stress** of Web Services in Informix, by **JMeter**.
* Performance improvement by tuning ‘**Informix’** database.
* Handling and publishing team’s code by **GitHub**
* Use to Unix servers to review the performance of Webservices interacting with external APIs
* Development on **“cron”** services to monitor tasks on servers.
* Reporting status on internal application

**Environment:** Java 7, JMeter, SQL, RAD, ActiveMQ, UML, Tomcat, Unix, Hibernate

**Company:Tecnides/HP/SAT, México February 2009 – August 2010**

**Role:Java Developer**

**Company’s Description:** Mexican company formed in 1999, we provide Technological Solutions through an Outsourcing scheme.Java software developer to accomplish business requirements.

**Project Description:** Software developer according to business' requirements

**Responsibilities:**

* Designing Use Cases to start coding the solution.
* Documenting Use Cases designed
* Designing models of data to be used by **ILOG JRules.**
* Designing Web Services to handle queries by **SOAP.**
* Handling team’s code by **StartTeam.**
* Development Web Services to handle queries by **SOAP.**

**Environment:** SOA, Webservices, XML, UML, Spring, Hibernate, Start Team, Borland Together, Java, Ilog JRules, Eclipse, Process Server, GitHub

**Company:Informatics IT Consultan / Banco de México, México April 2008 – December 2008**

**Role:Sr. Java Developer**

**Company’s Description:**We are a company dedicated to outsourcing IT specialists.

**Project Description:**Software developer according to business' requirements

**Responsibilities:**

* Development of **REST Web Services** on **Java** with **JAXB**.
* Development of **Servlets** and **JavaScript** pages to manage internal systems.
* Design and Development of reports on **Crystal Reports** gathering information from **Sybase Database.**

**Environment:**Java 5, Web Services, JAXB, SQL, Crystal Reports, Sybase, SMS-Microsoft, JSP

**Company:Finatrade/Millward Brown, México January 2007 – December 2007**

**Role:Java Developer**

**Company’s Description:**Itis a multinational market research firm specializing in advertising effectiveness, strategic communication, media and brand equity research. Software developer according to business' requirements.

**Project Description:** Software Developer according to business´ requirements.

**Responsibilities:**

* Design, Development and Implementation of interface on mobile devices to get information from consulting and research services.
* Manage the use of projectors used in internal office.
* Design, development and implementation of system to read code Bars and manage them in internal system to control progress of research services.

**Environment:**Java 1.4, Palm OS, SQL, Eclipse, UML, XML.

**Company:Informatics Consulting TI/Banco de México, México February 2006 – December 2006**

**Role:Java Developer**

**Company’s Description:**We are a company dedicated to outsourcing IT specialists and software developer according to business' requirements.

**Project Description:** Software Developer according to business´ requirements.

**Responsibilities:**

* Design, Development and Documentation of web pages using Tapestry 3.0 and JSP.

**Environment**:Java 5, Tapestry 3.0, JSP, WebLogic, SQL, UML, JSP

**Company:S.A.G.A.R.P. Coffee Producers, Mexico August 2005 – December 2005**

**Role:Java Developer**

**Company’s Description:** The Ministry of Agriculture and Rural Development is one of the state secretariats that make up the so-called legal cabinet of the President of Mexico. It is the office of the federal executive power in charge of the administration, regulation and promotion of primary economic activity.

**Project Description:** Software Developer according to business´ requirements.

**Responsibilities:**

* Development and Improvement of stand-alone applications to read and manage information of files sent from rural sectors.
* Control documents and reviewing redactions of documents to deliver to principal.

**Environment:**Java 4, JSP, Document Processor.