**Chetankumar Patel**

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**+91-9512738349**

* **11+ years** of experience in the IT industry working for top IT Service providing companies like **Hexaware Technologies, Cognizant Technology Solutions and Satyam Computers.**
* Have extensive experience on **Capital Market domain**
* Worked with major **telecom clients** like**ATT, KPN(Netherlands), NSN Zain(Kuwait) and Safaricom (Kenya)**
* Worked **Onsite** with **Fannie Mae** Mortgage loan company on capital market domain
* Closely worked with major**US Telecom Company AT&T**at **onsite** and providing high quality service and customer satisfaction. Involved in requirement analysis, Design, Development, and Unit Testing of the application.
* Strong application design and development skills in **Java, J2EE** technologies.
* Worked on Micro **Services Architecture using Spring Cloud, Spring Boot** and **Apache Kafka** Message Broker
* Extensively used web frameworks like **Spring MVC, spring web-flow,** **Struts 1.2, Struts 2.0, JSF**.
* Have Good knowledge on **Spring Security, OAuth2 and OWASP**
* Strong experience in developing applications using frameworks like **Hibernate, Spring, JPA, JDBC**
* Comprehensively worked on designing application using different **UML Diagrams** like **class diagrams, Sequence diagram, ER diagrams** etc.
* Worked on different databases like **Oracle, MySQL, and PostgreSQL**.
* Having sound knowledge of Core java concepts like **Swing, AWT Collection framework, Executor Framework** etc.
* Extensively worked on Software development life cycles like **WATERFALL and AGILE**
* Strong technical expertise in use of web services like **JAX-WS, REST**.
* Worked on application servers like **JBOSS, Web logic, Tomcat**.
* Very good experience on build tools like **Maven and Ant** continuous integration tools like **Jenkin**
* Strong experience in **performance improvement** of the application using **JProfiler, jconsole etc.**
* Worked onXML Parsing technologies like**SAX, DOM, JAXB, XStream etc.**
* Recognition @ work: Got **Most Valuable Player of the year 2016,** **Kudos, Ace award and Excellence for the Year 2014** – the award is company's practice of recognizing performance of an associate.

**Technical Summary**

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| **Languages** | Java, C |
| **Web Frameworks and Technologies** | Servlet/JSP, Struts 1.2/2.0, Spring, Spring MVC, Spring Web flow, Spring Boot, Spring Data, JSF, Angular JS, HTML5, CSS3, Ajax, jQuery |
| **ORM Technologies** | Hibernate, JPA |
| **SOA** | Micro Services, Spring Cloud, Apache Kafka, JAX-WS, RESTful web service, Jersey, CXF |
| **Operating Systems** | Unix, Windows |
| **Databases and Tools** | Oracle, MySQL, MS Access, SQL developer, Toad |
| **Scripting Languages** | Java Script, Shell Script |
| **Reporting Tools** | BIRT, Google APIs |
| **Servers** | Web Logic, Jboss, Apache Web Server, Tomcat |
| **IDE** | Eclipse, Net beans, My Eclipse |
| **Version Control** | CVS, SVN |
| **Build Tools** | Ant, Maven, Jenkin |
| **Performance tools** | JProfiler, JMeter, JConsole |
| **Code Quality Tools** | Sonar, Check style, Find bugs, PMD |

**CAREER SUMMARY**

**Hexaware Technologies**

1. Early Funding (FLEX – Funding Liquidity Extension)

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| **Project Name:** | Early Funding - Flex |
| **Domain:** | Capital Market |
| **Client** | Fannie mae |
| **Duration :** | March 2018 - till present. |
| **Team Size:** | 30 |
| **Role:** | Technical Architect, Module Lead, Requirement Analysis, Design |
| **Technologies** | Java 1.8, Micro Services, Spring Cloud, Spring Eureka, Spring Zuul, Spring OAuth2, Spring Booth, Gemfire, Angular JS, Apache Kafka |

**Description**:

Early Funding application is used to help lenders to improve their liquidity by funding the loans before selling it to Fannie Mae. This improves the liquidity and cash flow of the lenders as they provide more and more loans to customers. Fannie Mae fund the loans to lenders before they actually sell the loans to Fannie Mae. Fannie Mae accrue small interest to lenders until they actually sell to Fannie Mae. Loan passes through its life cycle and then gets matured at the end. Early Funding generates set of events to be published to its downstream system for further processing.

**Roles and Responsibilities**

* Using Spring Cloud Config server/client which is horizontally scalable centralized configuration service for distributed systems.
* Implementing API Gateway to route requests to appropriate micro service using Spring Zuul.
* Service discovery using Spring Eureka to determine available services instances.
* Using Hystrix the implementation of Circuit Breaker pattern, which gives a control over latency and failure from dependencies.
* Monitoring application with Turbine and Hystrix Dashboard.
* Publishing and consuming messages using Spring and Apache Kafka
* Securing micro services at Gateway using Spring Oauth2 Tokens.
* Implementing Distributed Cache (IMDG) using Pivotal Gemfire.
* Deploying the services using Docker in Dev / QA/ UAT / INT environments.
* Worked on Java Lambdas.
* Implementing the Spring Transaction Management.
* Writing the Restful Services and generating API’s using Swagger.
* Enhanced existing systems according to assigned project requests.

1. **Securities Transactional Data Source (Sec TDS)**

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| **Project Name:** | Sec TDS |
| **Domain:** | Capital Market |
| **Client** | Fannie mae |
| **Duration :** | November 2016 – February 2018 |
| **Team Size:** | 15 |
| **Role:** | Module Lead, Requirement Analysis, Design |
| **Technologies** | Java 1.8, Micro Services, Spring Cloud, Spring Eureka, Spring Zuul, Spring OAuth2, Spring Booth, Gemfire, JAXB |

**Description**:

Securities Transaction Data Source (Sec TDS) is trusted source for liabilities trading activities. It is source for all capital market transactional data. It receives data from Summit (Upstream system), transform and persist it in a data cache and publish it in an Enterprise Common Format (ECF). It provides data to consumers via intraday events, on-demand queries and end of day files. Sec TDS consume different types of instruments like Bond Trades, Securities, Repurchase Agreements, Money Market Trades, and Derivatives like Swap, Swaption, Caps and Futures.

**Roles and Responsibilities**

* Using Spring Cloud Config server/client which is horizontally scalable centralized configuration service for distributed systems.
* Implementing API Gateway to route requests to appropriate micro service using Spring Zuul.
* Service discovery using Spring Eureka to determine available services instances.
* Using Hystrix the implementation of Circuit Breaker pattern, which gives a control over latency and failure from dependencies.
* Monitoring application with Turbine and Hystrix Dashboard.
* Publishing and consuming messages using Spring and Apache Kafka
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**Cognizant Technology Solutions**

1. **Order Management System**

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| **Project Name:** | System X |
| **Domain:** | Telecom |
| **Client** | AT&T |
| **Duration :** | Jan 2013 – November 2016 |
| **Team Size:** | 20 |
| **Role:** | Module Lead, Requirement Analysis, Design |
| **Technologies** | Java 1.6, Spring MVC, Hibernate, JAX-WS, JAX-RS, Web Logic, Executor Framework, |

**Description**:

This project is being developed for the leading Telecom Company AT&T in USA. Project includes web based application development for generating orders for their customers for different kind of products e.g. Mobility, high speed internet, digital appliances etc.

This project includes requirement analysis and clarification phase, designing of the solution, development, Unit testing of the application, followed by Customer acceptance testing. Technologies used include Spring MVC, Hibernate, java scripts, and Oracle database with Web-logic server. Project is developed in iterations. Every iteration follows full SDLC.

**Roles and Responsibilities**

* Requirement gathering from the customer and helping BAs to analyze and document them.
* Creating High level design document from the System Requirements.
* Creating mockups and wireframes to help customer understand overall design of the application. Reviewing the High Level Design document with customer, architects and business analyst.
* Involved in development and coding of the given module and analyzing the impact of the system.
* Involved in development of end to end system from JSP till DAO layer. Extensively used jQuery, Hibernate, and Spring MVC etc.
* Resolving technical problems of team mates and helping them understanding business requirements.
* Involved in creating entities of Hibernate to map with relational database.
* Involved in front end development with technologies like HTML, CSS, java script, AJAX, jQuery etc.
* Wrote JUNIT for all the developed codes.
* Created build and deploy script to for continuous integration on Jenkin.
* Developed tools to analyze the logs of different API calls using SWING.

1. **One4Value and EVPN**

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| **Project Name:** | ONE 4 VALUE AND EVPN |
| **Domain:** | Telecom |
| **Client** | KPN Netherlands |
| **Duration :** | July 2011 to Dec 2012. |
| **Team Size:** | 8 |
| **Role:** | Developer and Module Lead |
| **Technologies** | Java 1.6, JSF 1.3, Oracle, Spring Web-flow, JPA with Hibernate, Web-logic server. JAX-WS web service |

**Description**:

This project is being developed for one of the leading Dutch Landline and mobile [telecommunications](http://en.wikipedia.org/wiki/Telecommunications) company. Project includes web based application development for quoting products with specific business rules implementation .The scope of the project is to provide Portal solution to client to be used for creating contract based on various rules, availability and pricing for different locations within the country. It also includes generating proposal and contract for client's customer and sending data details for fulfillment.

This project includes requirement analysis and clarification phase, designing of the solution, development, Unit testing of the application, followed by Customer acceptance testing. Technologies used include JSF, spring web flow, JPA, Servlets, java scripts, and Oracle database with Web-logic server.

**The functionalities handled are:**

* Understanding requirements from the customer and designing wireframes and mockups.
* Creating low level design of the application and developing UML diagrams like class diagrams, sequence diagrams etc.
* Creating stubs and proxy using JAX-WS from the WSDL provided by client.
* Creating entities for the mapping with database.
* Used JAXB for marshalling and unmarshalling XML.
* Involved in coding and maintaining the quality of code using code review and other code quality tools like Sonar, PMD, Find bugs, check style etc.
* Helping team members to fix their problems.
* Involved in Unit testing and Pre integration testing of the software followed by bug fixing of the same.
* Configured Hudson to start the continuous integration and developed supporting ant and scripts to deploy/undeploy application on remote server.
* Used BIRT tool for generating different reports about different orders which will help customer to analyze the business.

1. **Safaricom OneNDS Connector**

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| **Project Name:** | Safaricom OneNDS Connector |
| **Domain:** | Telecom |
| **Client** | Safaricom Kenya |
| **Duration :** | September-2010 – June 2011 |
| **Team Size:** | 4 |
| **Role:** | Developer |
| **Technologies** | Java, JAX-WS Web service, Web sphere |

**Description**:

Provisioning gateway (PGW) is connected to EIR (Equipment Identity Register) and MNP (Mobile Number Portability) Network Elements. OneNDS Connector will receive the request from SAAM (Activation manager). Connector will parse the request and convert it into the SPML (SOAP) format. Format of the SPML is configured into configuration xml file. Connector will use this xml and generate the SPML request.

**The functionalities handled are:**

* Involved in requirement analysis phase and understanding of the requirements.
* Involved in detailed design of different modules and discussion with solution architect.
* Involved in generating artifacts from WSDL using wsimport.
* Involved in development of web service client using JAX-WS.
* Involved in design and development of configurable xml to design different commands.
* Parsed the configurable xml using SAX parser.
* Simulation/mocking of actual web service response by SOAP UI tool.
* Created setup for building and deploying the webservice client on server.
* Involved in Unit testing and Pre integration testing of the software followed by bug fixing of the same.
* Was involved in CAT (Customer acceptance testing) support and issue analysis.

1. **NSN Zain Kuwait SAAM Provisioning**

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| **Project Name:** | NSN Zain Kuwait SAAM provisioning |
| **Domain:** | Telecom |
| **Client** | NSN |
| **Duration :** | Jan-2010 – August 2010 |
| **Team Size:** | 5 |
| **Role:** | Developer |
| **Technologies** | Java, SAAM Integration Suite, Web sphere |

**Description**:

The provisioning Adaptor will receive the request from TABS over TCP/IP in the form of plain text message. Though TABS have 10 connections towards SAAM, it can open configurable number of sessions and send the request on the session in synchronous manner. This plain text message will be validated. Message will be validated for legacy commands like SPIN. Validation will also be based on the existence of correct command order, syntax of plain text command as per the requirement document and existence of mandatory attributes. If validation fails, error code and error message will be sent to TABS. In case of successful validation, TABS Driver will parse the validated plain text message. AL will map all the attributes of plain text message to corresponding SAAM request using Configuration Manager. SOAP request will be generated from the parsed object and will be forwarded to SAAM. After the completion of request, SAAM sends the response back to SAAM Driver. If processing of request fails, then Adaptation layer will perform the error mapping and send the corresponding response back to TABS.

**The functionalities handled are:**

* Involved in requirement analysis of the project.
* Created design document along with other team members.
* Developed SAAM provisioning adapter which will accept the TCP commands from the northbound clients.
* Developed multithreaded adapter which will handle the continuous TCP requests to generate high throughput.
* Developed northbound client to test the SAAM adapter.
* Used JAX-RPC to provision the request to the Network Element.
* Developed different services to handle SIM card activation, different services like PDP for GPRS, SMS service etc.
* Was also involved in Integration testing and Customer acceptance testing at onshore location for the client.
* Workflows are created to handle different types of request in the provisioning.

**Mahindra Satyam** Oct 2007- Dec 2009

1. **NextGen**

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| **Project Name:** | NextGen |
| **Domain:** | Finance |
| **Client** | CITCO |
| **Duration :** | Nov 2007 to Oct 2009. |
| **Team Size:** | 44 |
| **Role:** | Developer. |
| **Technologies** | Core java, JDBC, Oracle, RAD 7.0.0.7, CVS, Web Sphere 6.1, Struts, Hibernate, Shell Script, Vi editor, Putty |

**Description**:

NextGen provides the Custodial and Brokerage services. NextGen, which is the bank of Citco, is responsible for taking and executing Trade for different Assets. It also keeps track for the Companies which is holding their corresponding assets.

The information regarding Assets is coming from NextGen Database which is in sync with the CDS (Citco Data System). From NextGen the data are going in form of XML and from other system data is coming in form of XML. The middleware is doing the operation of conversion. The request data from NextGen is posted in a queue in form of XML with JMS (MQ) header wrapped with it. The middleware is taking the data and converts it in binary stream and sends across.

**The functionalities handled are:**

* Involved in development of module like Fee Invoicing.
* Used XStream to develop xml request from the object.
* Involved in development of different front ends using struts, java script, CSS.
* Used Hibernate as ORM tool for database operations.
* Unit Testing (using Junit test cases) and Bug Fixing.
* Functional Testing of the FeeInvoicing and PDF generation.
* Developed shell script to generate batch process which will execute PL/SQL to transfer asset related information to different databases of the CITCO.
* Involved in support of developed shell script.

**EDUCATION/TRAINING/CERTIFICATION**

Bachelor of Engineering in Computer Science from Shivaji University, Kolhapur, India.