

# Peter Tian

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## SUMMARY

- Over 6+ years of Information Technology experience in developing multi-tier Web based Client Server application using Core Java and J2EE technologies.
- Experience in complete Software Development Life Cycle (SDLC) from analysis, design, coding, testing and implementation.
- Strong working experience with Spring Framework, which includes usage of IoC/Dependency Injection and different Spring modules like Core Container, Data Access, Boot, Web and AOP in Web applications.
- Worked with common DevOps tools like GIT, Maven, Jenkins, Docker and AWS EC2/S3/RDS.
- Experience in developing software applications using Java/J2EE, JDBC, Servlets, JSP, JSTL.
- Strong Experience in various Java/J2EE Design Patterns such as Factory, Singleton, Template, MVC, DAO.
- Used Spring Core Annotations for Dependency Injection(DI) and Spring MVC for REST APIs and Spring Boot for micro-services.
- Hands-on experience with Exceptional handling, Multithreading and OOPS concepts.
- Good knowledge and experience in developing web interfaces using technologies like HTML, CSS.
- Expertise in Spring Security Framework for authentication and authorization.
- Experience in Service Oriented Architecture(SOA) and Web Services (using XML, SOAP, WSDL, and JAX-WS).
- Experience in designing and building SOAP and RESTful Web Services.
- Experience in Oracle SQL/PL SQL for writing Stored Procedures, Triggers and Views.
- Experience in writing test cases in java environment using JUnit, Mockito.
- Good working knowledge on version controllers SVN and GIT.
- Experience in developing end-to-end applications and have the ability to fit anywhere in the project.
- Experience in using application servers like Apache Tomcat, JBoss, and Glassfish.
- Strong analytical and problem-solving skills, eagerness to learn the new technologies.
- Able to work independently and in team and adapt quickly to an existing and complex environment.
- Strong interpersonal and communication skills – ability to translate information in manner easily understood by others and ability to mentor teams.

## TECHNICAL SKILLS

Languages	JAVA7/8, Python, C++, HTML5, CSS
J2EE Technologies	JAVA EE, SERVLETS, JSP, JSTL, JAX-WS, JAX-RS, JTA
Frameworks	SPRING, HIBERNATE, JPA, JMS
IDE'S	ECLIPSE (STS, MyEclipse), IntelliJ IDEA
Web Services	JAX-WS, SOAP, Restful, WSDL, JavaScript
Servers	Tomcat, JBOSS, Glassfish, AWS EC2, AWS S3, Docker
Operating Systems	LINUX, WINDOW, UNIX
Databases	MySQL, Oracle 11g, Object DB, MongoDB
Build and Log Tools	Build tools (ANT, MAVEN, GRADLE, Jenkins), Logging tool(LOG4J), Version Control (GIT, SVN), GIT

## PROFESSIONAL EXPERIENCE

**Client:** American Health Information Management Association, Chicago, IL

**April 2016 – Dec 2017**

**Project:** Accreditation

**Position:** Java Application Engineer

**Description:**

The American Health Information Management Association is a professional association for health professionals involved in the health information management needed to deliver quality healthcare to the public. AHIMA certifications are distributed in HIM, coding, healthcare privacy, security and health data analysis. AHIMA credentials are earned through a challenging program of examinations, education, and experience, and maintained through continuous review and education. Accreditation is a cloud base solution developed AHIMA for evaluating the HIM professionals under different categories. The AHIMA certifications will empower both Individuals and Employers.

**Responsibilities:**

- Developed multi-tiered web-application using JAVA EE standards.
- Used Spring for bean management across layers and for loading database configuration and hibernate mapping files, created data source instance for instantiating Hibernate Dao Support's session factory object.
- Implemented the project using the Spring Framework (used Spring IOC and Dependency Injection, Spring MVC, Spring Data, Spring Boot).
- Used annotation based configuration in spring.
- Used Hibernate for object Relational Mapping and used JPA for annotations.
- Extensively Worked on java 8 features like Lamda Expression, Functional Interface and Stream API.
- Involved in implementing the rich user interface using JSP Standard Tag Libraries and worked with custom tags.
- Performed client-side validations using java script functions to implement various functionality. Handled the server-side validations by using the validator framework.
- Used Spring Boot to wrap the application in "Microservices" architecture.
- Implemented the logging framework in the SOA environment.
- Designed and developed Web Services to store and retrieve user profile information from database. Used Apache Axis to develop web services and SOAP protocol for web services communication.
- Used SVN as the version control system and Maven for building the application.
- Used scrum methodology for iterative development of the project and familiar with development using Agile methodology.
- Develop and execute Unit Test plans using JUnit, ensuring that results are documented and reviewed with Quality Assurance teams responsible for integrated testing.
- Deployed the application to AWS EC2 instances using Docker.
- Provided extensive pre-delivery support using Bug Fixing and Code Reviews.

**Environment:** Spring (IOC, AOP), Hibernate, JSP, Java 8, Web Services, SOAP, WSDL, Oracle 10g, JUnit, Log4j, Maven, Agile methodology, SVN, Eclipse.

**Client:** Evolve Controls, LLC, Chicago, IL

**Aug 2014 –March 2016**

**Project:** Insights Dashboard

**Position:** Java Backend Developer.

**Description:**

Evolve Controls designed and developed a highly intuitive room automation platform creates memorable guest experiences while reducing costs and providing sustainable and environmental friendly spaces. The scalable platform guides our customers' technical road maps, solving today's needs and tomorrows problems. Insight Dashboard provides you with aggregate and drill-down insights, allowing your staff to view the status of all in-room devices at a glance. Quickly monitor system performance, diagnose potential problems and take corrective action before it impacts your guests. It provides Automation Services like, SYSTEM HEALTH, CLIMATE CONTROL etc.

**Responsibilities:**

- Participated in meetings with business users for requirements, understanding and addressing the issues and changes in existing system.
- Acted as responsible person in delivering project with timelines.
- Actively involved in requirements gathering, Analysis, Conceptual Design, Detail Design, Development, and Testing.
- Implemented Design Patterns like Singleton, Factory, Template and DAO patterns.
- Involved in researching new frameworks and suggesting their outcome to the project.
- Worked on JSPs as view in Spring MVC Framework.
- Extensive use of Spring Framework for Controller components and View components.
- Worked on Spring as Application Level framework and Hibernate as persistence Framework.
- Wrote persistent Hibernate mapping classes using annotations approach.
- Involved in deploying and testing the application using JBoss application server.
- Involved in troubleshoot technical issues, conduct code reviews, and enforce best practices.
- Implemented Spring Beans using IOC and Transaction management features to handle the transactions and business logic.
- Used Web services (JAX-WS SOAP and RestFul) for producing and consuming Receipt and Case data information from other subsystems.
- Analyzed and fine-tuned slow running queries and kept maintenance of existing code and analyzing the impact of changes in scripts and data model.
- Worked on Oracle as backend database for storing application data.
- Worked on Subversion as version control system and Log4j for logging at different modules.
- Sent the files to AWS EC2 instances using Linux scp command and socket transmission.
- Implemented Test Driven Development using Junit as Test Framework by Implementing Test Driven Development.

**Environment:** Maven, JDK1.8, Spring MVC, Servlets, JSP, JSTL, Rest web services, TOMCAT, Eclipse Juno, XML, Oracle.

**Client:** China Yuanzineng Industry Beijing Storage, Beijing, China

**Dec 2012 – June 2014**

**Project:** E-Logistics

**Position:** Java Software Engineer.

### **Description:**

This project is the Logistics Solution for the e-business platform. E-Logistics contains three modules Supplier, Buyer, Transport. Worked on the transport module that consists of service order and shipping details. All the users of the Logistics solution will be the registered users of the portal. Each of the registered users in the E-Logistics platform will have a unique ID and a user name and belongs to a Company registered to the Enterprise Enabler.

### **Responsibilities:**

- Worked in all phases of software development life cycle (Requirement, Analysis, Design, Coding, Testing and Deployment). Followed Test Driven Development (TDD), Scrum concepts of the AGILE Methodology to produce high Quality Software.
- Analysis and Design various modules using J2EE Architecture and MVC Design Pattern.
- Used Angular JS and Bootstrap to develop the user interface, to validate the user at client side and provide responsive feedback. Ensuring the high performance of the application.
- Implemented various types of spring controllers as per application requirements, spring validations, persistence layer, DAO and service layer components using Spring Hibernate API and spring hibernate annotations.
- Developed application service components and configured beans using Spring IOC, creation of Hibernate mapping and generation of database schema.
- Implemented application level persistence using Hibernate and Spring.
- Designed, developed and maintained the data layer using Hibernate and performed configuration of Spring Application framework. Integrated Spring and Hibernate Framework.
- Implemented Transaction Management in the Application. Developed Spring Framework based RESTFUL Web Services for handling and persisting of requests and Spring MVC for returning response to presentation tier.

- Used Spring framework, Spring-AOP, Spring-DAO, Spring-JDBC modules.
- Worked in designing the database and developed Stored procedures, Triggers and Functions for efficient use of data from SQL server database.
- Deployed the application using Apache Tomcat Application Server, and used IntelliJ IDE for designing, coding and developing applications, Maven for build environment.
- Used Tortoise SVN Subversion for software version control and used Log4J to monitor the Error Logs.

**Environment:** Spring, Maven, STS tool, Log4J, JSP, Spring-MVC, SQL server, Apache Tomcat, Webservices, JSON.

**Client: Bank of Beijing, Beijing, China**

**Oct 2011–Dec 2012**

**Project: Data transaction System.**

**Position: Java Application developer**

### **Description:**

This Banking application allows customers to access their bank account through Internet. Using their user ID and password, the Checking, Saving, Loan, Mortgage accounts can be accessed. The application provides the Account Summary, Transfer funds, Loan Payment, Payment option to the user. The user has option to change the personal profile. Application deals with credit card issuers and cardholders to manage the life cycle of credit card accounts online. Applications are developed as modular solution that can be tailored to the unique needs of banks e-business strategy.

### **Responsibilities:**

- Involved in analysis, design and development of Expense Processing system.
- Developed the application using Spring MVC Framework.
- Used AJAX Framework for Dynamic Searching of Bill Expense Information.
- Involved in configuring Spring controllers using IOC.
- Configured the Spring framework for the entire business logic layer.
- Developed code using various patterns like Singleton, Adapter, DAO, MVC, Template and Factory Patterns.
- Used Table per hierarchy inheritance of hibernates and mapped polymorphic associations.
- Developed many-to-many, many-to-one, one-to-one annotation based mappings in Hibernate framework.
- Developed DAO service methods to populate the domain model objects using Hibernate.
- Used Spring Framework's Bean Factory for initializing services.

**Environment:** Hibernate ORM, Spring Application Framework, JSP, Servlets, XML, SOAP, WSDL, JDBC, JNDI, Subversion(SVN), Maven, Log4J, Windows XP, Oracle.

## **EDUCATION**

**Illinois Institute of Technology, Chicago, IL**

Master of Science

**Beijing Jiaotong University, Beijing**

Bachelor of Science