

# Inderjeet Singh Chawla

Contact# [inderjeetc2chawla@gmail.com](mailto:inderjeetc2chawla@gmail.com) (cell:339-216-2983) **LinkedIn:** <https://www.linkedin.com/in/inderjeet-chawla-341770208>

## Summary

- Over 13+ years of IT experience in design, development, research and implementation of Software Development Life Cycle (SDLC), maintenance and documenting of various web-based, Enterprise, Client/Server and Distributed applications using Java / J2EE.
- 2 years of experience as Team Lead and people management.
- Demonstrated technical and leadership expertise in application development & support in distributed systems and web technologies.
- A skilled problem-solver, **continues self-learner**, and an **efficient team player**, can understand new ideas and technical concepts quickly, converting them into meaningful results.
- Experience in **evaluating legacy application's** architecture and design and providing recommendations for improvements on design, performance, and quality
- Expertise in handling and executing **ONSITE** and **OFFSHORE** Model projects and **Leading the team** with many members in multiple projects. Mentoring, responsibly **reviewing the code** and engage in **code refactoring** for the coding standard and best practices.
- Experience using core java, OO design concepts and multi threading
- Experience in design, develop and hosting **MVC / Single Page Apps (SPA)** based **Web Applications** with **Java, J2EE, Spring Boot, Spring Security, Spring Data JPA, Spring Cloud, Netflix Eureka Server, Eureka Client, Hystrix, Zipkin & Sleuth, Spring MVC, Spring Batch, Control-M, JavaScript, CSS and Bootstrap** for Internet and Intranet.
- Used Amazon Web Services (AWS) like EC2 servers, S3 storage.
- Having hands-on experience with Pivot Cloud Foundry (PCF) & AWS
- Thorough knowledge in core Java concepts like OOP, JAVA, JDBC, JMS, Multi Threading, JSP, Servlet, XML, XSLT.
- Strong handling on the development of Web based Client/Server and Multi-tier applications using Technologies like Java, JSP, Spring, XML, HTML, CSS, JavaScript, ReactJS and Angular1.
- Knowledge and hands-on experience on using **Object Oriented Programming** concepts, **Principles, Design Patterns** and **best practices**.
- J2EE Design Patterns: Experienced of using various Java/J2EE design patterns such as Flyweight , Iterator pattern, Singleton pattern, and Factory method pattern, Façade, Prototype, MVC Pattern, Front Controller.
- Excellent experience in troubleshooting and resolving production issues.
- Excellent communication, analytical and interpersonal skills and highly motivated team player with ability to work independently. Ability to learn and adapt quickly to the emerging new technologies.
- Received Value in performance awards and Living Proof award for outstanding performance, commitment and contribution at work in Fiserv.
- Experience of handling PCI / OWASP compliance issues.
- Experience of handling Sev1/2 level Production Support.
- Knowledge of Change Management & Defect Management Tools like – **Remedy, ServiceNow** and **Swift ALM**.
- Strong track record of consistently delivering results through Onshore-Offshore Coordination.
- Sound experience of establishing and implementing CMMI processes for engineering activities in the projects.
- Experience in collaborating with business and technical resources to understand and develop solutions that meet business requirements, translating strategy and objectives and make sure the specifications are flexible, scalable, and maintainable and meet architectural standards.
- Experience in handling and managing projects from various domains like – **Trading (Matching Engine), Electronic Payment, Banking, e-Governance**.
- Status in USA - H1B (**I -140 approved**)

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## Technical Skills

Technology:	Java, J2EE, REST Web Services, React JS, Java Script, JQuery, Unix, JMS , Node, Bootstrap, REST-API, Micro Services
Domain:	Trading, Electronic Payment (Banking), Transaction Banking, e-Governance
Frame work:	Spring, Spring Boot, Spring Data JPA, Netflix Eureka, Zipkin, Spring Cloud, Hystrix, Spring Security, REST, Hibernate, Spring API Gateway
Language:	Angular1, Webix, Adaptive EAF, Hydra
Other Tools:	Java, PHP, Python
Database:	EditPlus, Weblogic Admin, IntelliJ11, Putty, SSH, SoapSonar, Burp Suite, Postman, SQL Developer
Operating System:	MySQL, Oracle, MongoDB, Hibernate 3
Repository Tools:	Windows / Linux / MacOS
Change Management Tool:	GIT, GitHub, GitLab, Bitbucket, SVN, Visual Source Safe
Defect Management tool:	Remedy, ServiceNow, Confluence
Server:	JIRA, PMW, SwiftALM
IDE:	Apache Tomcat, Web Logic, JBOSS
Build Tool:	Eclipse, Jet Brain IntelliJ, STS, SPLUNK, DataDog
Messaging Tool:	Maven, Jenkins, BAMBOO, Gradle,
Cloud	ApacheMQ, Kafka, RabbitMQ, Aeron (Adaptive), Hydra
Job Automation	Pivotal Cloud as (PaaS), SaaS, AWS as (IaaS), Docker, OrbStack, Kubernetes

## Professional Experience:

**Employer: Compunnel Inc.**

**Oct 2023 – till date**

Principal Software Developer at **Fidelity Investments**

### **Description:**

Fidelity Trading System provides Institution, Broker, Liquidity Providers to manage their stock, send Market Orders , Limit Orders to the Matching Engine where as per the Market Price provided by EIMD / Feed handler Orders are matched and execution reports are generated. It also notifies all the concerned LPs, Institutions and Brokers after order is filled / partially filled or cancelled. Currently Exchange UI is supporting the existing Equity, Stocks for trading but in future it will support Crypto Currencies as well. Current as well as proposed architecture will be using Aeron that is much efficient, reliable UDP unicast, UDP multicast, and IPC message transport. Performance is the key focus and to have it implemented Adaptive EAF framework and Hydra is used.

### **Responsibility:**

- Developed Kafka Gateway that reads message from Sequencer and send the message to Kafka using Aeron as messaging stream.
- Develop business services with micro service architectural style using Spring Boot and expose the services as REST web services.
- Developed customized Matching logic based on Self Match and Account Group Id.
- Developed Delinking of Accounts and Fix Session so that multiple accounts can be added under single FIX session
- Participated in Integration Test along with Data Seeding activity.
- Work in agile framework as an individual contributor and interact with stakeholders in story grooming, reviewing story/acceptance criteria and apply an iterative and agile approach to the development effort.
- Design and develop highly scalable Microservices and optimize RESTful APIs using Spring Boot in Java 11 or above, working with Spring-specific features such as Spring Batch, Spring AOP, Spring Security, and Spring Cloud.
- Develop distributed computer/data-centric software solutions using multithreading, collections, and functional programming.

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- Develop, test, and maintain streaming solution(s), supporting various business and system functions using Java 17, Kafka streams, Spring, Spring boot, and REST APIs.
- Develop and migrate legacy applications to run with Spring Boot 3.x.
- Develop continuous integration and continuous deployment pipeline using Kafka, Jenkins, Docker, and Kubernetes for the micro-services supporting Fidelity Investment's business.

## **Employer: Mphasis**

**Jul 2021 – Jun 2023**

Senior Java Developer

### **Description:**

iRebal is a standalone trading portal which is a rule-based client server application that automates multiple account family level rebalancing. It was architected to streamline end to end trade order management process.

At high level, iRebal provides advisors with the ability to define the portfolios, models, securities and to specify rebalancing parameter for each of these. Advisors are then able to schedule or request on demand rebalancing events. The system then runs through the logic applicable for that analysis and presents the user with a list of recommended buys and sells. Advisors review the trade recommendations and submit trade ticket based on it.

### **Responsibilities:**

- Being part of Integration team, I am involved in transition of legacy code to new version
- Upgrade spring boot version, log4j, Hibernate version etc
- Implemented Swagger for legacy application
- Using SPLUNK logs were analyzed for any Prod issues.
- Participate in pushing the code to various environments of PCF.
- Update Bamboo script and implement Run Job.
- Participate in production support, validation, DR activities.
- Per the requirement of Client new developed several endpoints not present in legacy app.
- Developed many Control-M jobs.
- Create CRQs, Implementation Rollback Plan.
- Unit test cases in Junit5 for newly added features
- Participated in Architecture meetings regularly to discuss about performance improvements and enhancement of the product and provided ideas and suggestions.
- Handle Production Incidents, QA bugs and fix them.
- Update Jenkins file for CI/CD
- Participate in Sprint Planning, Huddle, Sprint Retro meeting.
- Participate in Team Showcase meeting.
- Code merge activity from TD repo to Schwab repo

## **Employer: Kyyba Inc.**

**Apr 2018 – Jul 2021**

Senior Java Developer

### **Description:**

BEACON stands for Benefit Eligibility and Control Online Network. This is an intranet application developed & maintained by Massachusetts EOHHS department. This application helps to determine the eligibility criteria of an individual before getting any benefits such as - Foster Care, Voter registration, Immunization, Food Stamp etc. BEACON is an already existing working intranet application developed almost 15+ years ago.

BEACON5 is the project to redesign existing User Interface by using the technology that supports Multi-browser compliance and integrate with existing server-side API's.

### **Responsibilities:**

- Involved in creating the HTML pages using framework methods and as per the development guidance provided to the developer.
- Developed workflow HTML screens such as – Absence, Boarding, Foster Care and many more.
- Developed JavaScript files for the respective workflow and non workflow screens.
- Developed error xml files for the respective workflow and non workflow screens.

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- Developed component level java script code so that it can be invoke from any screen. Eg – Import File screen.
- Developed customize configuration of TinyMCE component (**WYSIWYG**) used for Notepad across the application. For example – customized configuration needed for maintaining font size, font style, bullet style while pasting the content from MS Word document into Notepad component.
- Participated in Webix Component frame work issue.
- Applied best practices and standards of the industry and Bank of America to develop the quality product which give the accuracy of the financial numbers.
- Participated in Architecture meetings regularly to discuss about performance improvements and enhancement of the product and provided ideas and suggestions.
- Prepared documentation for developers, build and operations team to describe the project architecture, usage and deployment instructions.
- Mentoring and managing developers – with technical expertise review their work and assisting for the technical help when required.
- Followed Agile methodologies as development process for tracking status throughout the life cycle of the product with the help of Jira and Confluence.
- Developed new Servlets, DAO and Controller classes for new requirements (eg – PEBT services )
- Implemented screen such as Absence, Child Care Referral, AU Composition Results etc.

## Employer: Fiserv Inc

**Apr 2011 – Apr 2018**

Java Developer Lead

### Description:

Application like – RXP, Biller Direct, Bill Pay, Military Bank, Bill Pay Choice, SmallBiz are web application used by bill pay users or subscribers to schedule bill payments. Users can make payments, view and pay electronic bills (e-Bills), see their most recently scheduled and completed payments as well as set up Reminder to make payments. It also offers facilities like account to account, person to person, expedited payments, automatic payments. RXP PQP is a next generation bill payment product which offers the user to make payment with mobile device as well.

RXP also offers user to pay their bills, making recurring payments, auto payments and setting up the reminders. It also offers the facility of split payments in case of group payments. Also, person can make payment to another person just by using his email id.

### Responsibilities:

- Involved in understanding the business requirements with inputs from business partners and Business analysts.
- Design and Development of Opening and Funding API.
- Created API for Account Transactions
- Developed Jenkin CI/CD pipeline
- Fixed PCI Compliance issues reported by ERR team using Burp Suite.
- Tested BofA application for any PCI issues by using Postman & Burp suite.
- Created Controller class for new features using IntelliJ IDE.
- Created Error XML files for validations.
- Developed HTML / JS page for the External Payment screen.
- Used IntelliJ for for creating DAO and Spring Data JPA
- Involved in Production Support for PQP & BofA application.
- Involved in Analysis, Coding, Impact Analysis for the Enhancements worked upon.
- Estimated different releases and requirements by using Fiserv's component sheet.
- Wrote Unix script for fetching data from the servers.
- Developed Log Searcher utility using Power Shell script.
- Performed Configuration Management Activities.
- Handled Production Support for new releases.
- Designed the solution for the change and preparation of unit test cases.
- Participated in Log Monitoring during the Production & Cert releases.
- Used Remedy to created CRQs for CERT & PROD
- Participated in CAB meetings

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- Handled DR Traffic movement.
- Created Kafka configuration class with external Kafka server.

## **Employer: CMC Ltd, India**

Software developer

### **Description:**

CHOICE: Chhattisgarh Online Information for Citizen Empowerment (CHOICE) is an e-governance project to empower Government to citizen services. The purpose is to computerize the Government functionality's towards citizen in Municipality, District Collectorate, Urban Development Authority, Regional Transport Office, Panchayat and Rural Development Department & Social Welfare Department.

The system is being developed with sufficient scalability to integrate with other government activities in future. CHOICE is integrated with PKI (Public Key Infrastructure), Smartcard and Biometrics Solution.

### **Professional Certifications:**

- SCJP (Java 5) – Year 2008
- SCWCD - Year 2013

**Qualification:** Masters of Computer Applications (MCA)

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