roy ding

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Summary

* **Experienced software developer with strong knowledge of OOD/OOP, Design Pattern, Data Structure, Microservice , and application optimization.**
* **Solid skills in Core Java, Spring Framework, Spring Boot,** Spring Cloud, Spring Data, Spring Security**, Swagger, PCF, Concourse CI/CD Pipeline, RabbitMQ, Apache Kafka, Hibernate/ORM, Servlet, JPA, REST, Oracle, MySql, PostgreSql, C/C++, SQL, PL/SQL, and multithreaded programming.**
* **Extensive web development experience with Angular, ng-bootstrap, Angular Material, TypeScript, JavaScript, JSON, XML, HTML, CSS, JWT, Apache, Tomcat, WebLogic, Node.js.**
* **Proficient in Windows/Linux/Unix platform with Eclipse, Spring Tool Suite, Sql Developer, Git, Maven, Ant, Jenkins, JUnit, Log4J, MS Visual Studio, Visual Code, SVN, Shell, PowerShell, and Perl.**
* **Dedicated, team-oriented, and innovative.**

Experience

Senior Backend Software Engineer, North HighLand, NY 2/2021 – Present

* Designed and developed Fiserv Global Settlement and Reconciliation Solutions Middleware Microservices as a senior member in an Agile/Scrum team using Core Java 8, Spring Framework, Spring Boot, Spring Cloud, Spring Data, Spring Security, Spring AMQP and RabbitMQ, Spring for Apache Kafka, OpenApi, Swagger, Concourse CI/CD Pipeline, Lombok, MapStruct, Spring Test, Junit 5, SonarType, Fortify Scan, JWT, Oracle, SQL, PL/SQL, Hibernate, Maven, GitBucket, and Jira, on PCF platform.

Senior Software Developer, Sila, CT 2/2011 – 12/2020

* Designed and developed Fleet Analytic Application Composer and FSR Hanger as a senior member in an Agile/Scrum team using Core Java, Servlet, REST, Spring Framework/Boot, Angular, TypeScript, Bootstrap, JavaScript, Node.js, Apache, Tomcat, Oracle, PL/SQL, Hibernate, Maven, GitLab, and Jira.
* Designed and developed Fleet Analytic IFSD and ASB Compliance Applications as a senior member in an Agile/Scrum team using Core Java, Servlet, REST, Spring Framework, Angular, JavaScript, Apache, Tomcat, Oracle, PL/SQL, Hibernate ORM, Maven, SVN, and Jira.
* Designed and developed File Transfer Server System, a multi-threading, high efficient, and easily configured system to transfer files and data between servers in sequential/parallel order as a sole contributor using Core Java, multithreading, concurrent collections, Java SFTP/FTP APIs, and JCraft lib.
* Designed and developed Purchase Order, Inventory, and Aircraft Daily Status Applications for Commercial Helotrac Maintenance Software System as a leading member using Core Java, Servlet, Hibernate, Oracle, SQL, PL/SQL, Apache, Tomcat, SmartGWT, Jasper Report, and SVN.
* Developed Commercial/LUH Helotrac Maintenance Software System using Core Java, Servlet, Hibernate, Oracle, PL/SQL, Apache, Tomcat, GWT, Jasper Report, and SVN.

Senior Software Engineer, IPC Systems Inc, CT 5/2005 – 2/2011

* Designed and developed real-time and distributed licensing client/server software to support multiple IPC products as a lead using Core Java 6.0, servlets, EJB 3.0, JMS, XML, Hibernate, and SOAP Web Service.
* Designed and developed multithreaded, real-time, and high-volume Audio Service and Persistence Service components as a lead on Linux platform for IPC IQ/MAXAccess 1000 which allows up to 1000 traders to trade virtually anywhere.
* Created diagnostic tool INJECTOR as a sole contributor, adopted by developers, testers, and technical supporters. The newly established state-of-the-art IPC world performance test center powered by INJECTOR enabled IPC IQ/MAX continuous performance testing on a massive scale possible. Won 2008 IPC Innovation Award.
* Designed and developed IPC Unified/Centralized Logging software package to support Java, C/C++, PHP, and CLI applications and allow logging services in multiple product lines configurable.
* Designed and developed IQ/MAX automation test framework using profiling framework LTD, LCOV, and Valgrind to measure application code coverage and memory leak.

Consultant, Accenture, CT 6/2003 – 5/2005

* Lead ITAS (Integrated Tax Administration System) project at Connecticut Department of Revenue Services for phase II development. Responsible for gathering information from users and designing technical specs for phase II tax types.
* Developed multithreading, High Performance, and real-time FDF data file loader using Core Java, JDBC, Hibernate, Oracle, and PL/SQL, which saved hundreds of hour project budgets from manually excel data loading.
* Worked on ITAS project phase I. Wrote Revenue accounting technical design specs, implemented various modules, and led bug-fixing team on system test and UAT test.

Software Engineer, LUCENT TECHNOLOGIES, INC. IL 1/2001 – 2/2003

* Developed OAM for 3rd Generation Wireless (UMTS) Controller usingJava, Servlet, JSP, Struts, Oracle8i, Apache, Tomcat, HTML, XML, and JavaScript. Designed and implemented ATM driver control utility interface with Java/Swing.
* Wrote RANAP (Radio Access Network Application Part) Protocol functional and technical specs based on 3GPP Specifications and implemented it with C/C++, VxWorks, OSS, ASN.1 cross compiler, and Unix shell scripting.
* Developed back-end communication process module and ATM drivers for SGSN/RNC of 3rd Generation Wireless (UMTS) using C/C++, TCP/IP, SNMP, Shared memory, Message Queues, and Co-processes.

Application Developer, EQUIFAX, IL 7/1999 – 1/2001

* Developed multithreading and bulk importing data loader (Xloader) to convert and load raw bank data directly into Oracle8 database.
* Developed multithreading, high performance and massive data mining programs with Core Java, C/C++, SQL, PL/SQL, Oracle, DCU and Xprt to provide accounting and credit analysis reports to the clients.
* Developed financial software package (Xcira) with C/C++, Pro\*C/C++, OCI, and Oracle8 database for both credit and investment risk analysis.

education

*Master of Science, Computer Science* UTAH STATE UNIVERSITY, LOGAN, UT

*Master of Science, Structural Engineering* ZHEJIANG UNIVERSITY, HANGZHOU, CHINA