

PROFILE SUMMARY

- Senior Software Architect with 11+ years software industry experience developing leading-edge technologies for web, client/server and mobile applications in Java.
- 2+ years experience in Groovy and Scala. JVM languages. 3+ years experience developing iOS and Android Apps.
- Experienced with all aspects of complete Software development life-cycle including business requirements, technical architecture, design specification, development, testing and deployment.
- Versatile team player with excellent communication, analytical and interpersonal skills.

EDUCATION

- Masters of Science in Computer Engineering - University of Wyoming, US (2002 – 2004)
- Bachelor of Technology in Computer Science and Engineering - Jawaharlal Nehru Technological University, India (1998 - 2002)

CERTIFICATES

- **Deep Learning** Nano Degree foundations course, Udacity- 2017
- Functional Programming Principles in **Scala**, Coursera(École Polytechnique Fédérale de Lausanne, Switzerland)- 2016
- Programming Mobile Applications for **Android** Handheld Systems, Coursera (University of Maryland, U.S.A)- 2014

SKILLS AND TOOLS

Server-side languages:	Java, Objective-C, Swift, Python
Functional JVM languages:	Scala, Groovy
Client-side languages:	Javascript, jQuery, CSS, Bootstrap 3
Java Frameworks:	JEE 5/6, Spring 3.x, Grails, Play 2.0, Hibernate 3.x, Apache Camel, JUnit, iText 2
JEE technologies:	EJB 3.x, JSF 2.0, JPA 2.0, Servlets, JSP, JMX, MDB, JMS, Multi-Threading, JDBC, JSTL
Mobile frameworks:	iOS SDK, Android SDK
MVC frameworks:	JSF, Spring MVC, Wicket, Struts
Application Servers:	JBoss 6.0, Weblogic Server 10.3, Tomcat 7.0, Websphere Application Server 6.1/7
RDBMS:	Oracle 10x/11x, DB2, SQL Server
IDEs:	Eclipse, IntelliJ Idea, Xcode, Android Studio
Operating Systems:	Mac OSx, Windows, Red Hat Linux, Ubuntu

PROFESSIONAL EXPERIENCE

California ISO – Folsom, CA
Mar'17 – Current

Customer Interface for Resource Adequacy (Senior Software Consultant)

- Designed and developed critical client-server application extensively used by energy Buyers, Sellers and ISO admins in West coast states
- Developed full-stack web application based on Groovy on Grails framework and Oracle database
- Actively contributed in design, architecture, code-reviews and best practices implementation sessions

GPS and Weather data (Lead Software Consultant)

- Provided architecture and developed GPS based Weather data system to map topology, display real-time data on map and send alerts to personnel in case of natural disasters
- Solely responsible to develop front-end in JQuery, Leaflet, OpenStreetMaps and GeoJSON
- Contributed backend module using Python

Fusion Global Solutions – Fairfield, CA

May'14 – Mar'17

Assa Abloy (Senior Architect/Developer consultant)

- Responsible to evaluate new technologies, design, implement and deliver Service-oriented architecture (**SOA**) solution with a Team of 6 members.
- Designed and managed delivery of new Kiosk check-in process for Nebraska Furniture Mall in Dallas that involves recognizing License-plates to track Customers to complete order-pickup process.
- Introduced **Apache Camel** for Message-oriented integration with third-party systems using Restful API, Message queues and FTP servers.
- Developed new modules exclusively using **Scala** JVM language

Copart, Inc - Fairfield, CA

Feb' 13 – Jan' 14

Member Mobile and Seller Mobile (Sr. Architect, Team Lead)

- Designed and implemented a Service Oriented Architecture based server to support Copart's increasing presence in mobile space (Member Mobile and Seller Mobile apps).
- Lead and co-developed with team.
- Provided design documentation and proof-of-concept to implement the solution.
- Mentored peers ranging from junior to mid-level Java developers on new technologies.

Novartis Institutes of Bio-Medical Research - Emeryville, CA (through Randstad technologies)

Mar'12 – Feb'13

Tissue Management (Sr. Software Engineer)

- Co-developed Middle-tier of this project using Java with **Hibernate** as the Persistence layer.
- Solely responsible to integrate our application with International Sample publishing system, called SMF, using both WSDL based **JAX-WS** client and JAX-RS client.
- Configured **Solr** search engine to index all uploaded Tissue samples so that UI can let users search for these samples via JSON webservice calls.
- Provided JUnit test-cases to Middle-tier. Integration-tests are also run in an embedded mode with a real-time Database transactions.
- Developed one User Interface module using **jQuery** AJAX framework.

OncNet -Oncology Research Network (Architect/Lead Developer)

- Implemented Hibernate ORM layer using EntityManager and Criteria APIs.
- Developed RESTful contract APIs using **JBoss** RestEasy framework with JSON and XML response contents.
- Responsible for communicating with scientists and UI team to finalize requirements.

Apple Inc. - Cupertino, CA

Mar'11 – Mar' 12

EasyPay touch app, Apple Retail (Sr. Software Consultant/Architect)

- Solely responsible to provide design and architecture to convert existing **iPhone Activation** server as a XSD and JAXB 2.0 based **RESTful** webservice component.
- Involved in implementing software to handle activations for Sprint, multiple Verizon Business iPhone sales and multiple unlocked iPhone sales.

- Involved in iPhone Activation Server code-refactoring to combine separate legacy code-bases used to activate ATT and Verizon iPhones into one.
- Provided proof-of-concept and mentored team in creating **JUnits** tests using Mockito and Powermock frameworks.
- Mentored, lead and co-developed a team of 3 developers to create **JSF 2.0/ IceFaces 2.0** web-application that co-ordinates with Directory-Services application to let **POS** Production team deploy releases of EasyPay to US and International Retail stores.
- Solely responsible to solve a critical Production server issue where JBoss in Retail stores needed to be re-started whenever any of its Sync agent threads becomes un-responsive. Provided a **JMX** and **MBean** based solution that lets User control these **JBoss** threads by start, stop or interrupt commands.
- Implemented a Java thread that syncs iPhone activation data to Central server in-order to ease the handling of cross-store iPhone returns and exchanges in US.

LLBean Inc. – Freeport, ME
Jun'10 – Mar'11

(through Randstad technologies)

Promotions 2010 Webservice (Sr. Programmer)

- Built WSDL and related XML Schema file to expose this proxy webservice to internal clients.
- Developed **SOAP validation** and logging handlers to implement pre-processing and web-service broker to start processing the webservice request.
- Extensively worked on implementing Java persistence using JPQL, Entity relationships, inheritance **JPA** with **Hibernate 3.3** provider.
- Implemented offer qualification module using **Drools** rule engine to determine which offers does a given customer order qualifies for based on minimum-order-value, payment device used and various other business criteria.
- Implemented asynchronous request processing by using **JMS** and **MDBs** to achieve better throughput for processor-intensive persistence operations.

PayPal- Alternate Web Payment (Technical Lead / Sr. Programmer)

- Developed **JAX-WS** webservice and server-side payments processing and settlements modules so LLBean website customers can use their **PayPal** account to pay for their merchandise.
- Implemented asynchronous backend payment-authorization process to authorize, settle, void, reverse and refund transactions.
- Implemented Web-service Proxies, broker, loggers and SOAP handlers to process LLBean website web order-inquiry requests to invoke **PayPal's Express Checkout web-service** operations on their **HTTPS/SSL** endpoint via internal Corporate Proxy-servers.
- Created **Asynchronous Websphere MQ series** and **MDB** based server application to handle backend PayPal payments settlement and processing.
- Developed messaging module to handle possible payments denial, refund and In-review scenarios.

FedEx IT Services - Pittsburgh, PA
Jun' 09 – Jun' 10

(through Randstad technologies)

Electronic Trade Documents ETD Part 2 (Architect / Sr. Programmer)

- Primarily responsible to provide both system architecture and development from project's inception to production deployment.
- Developed MVC Web application using **JSF 1.2 (IceFaces 1.8.2)**, Facelets, Servlets, AJAX, Javascript, **Spring Webservices**, JMS, MDB, Maven 2, Hibernate and iText 2.
- Developed core **JMS** module to publish messages to message queues and consume existing queues to serve asynchronous needs of the project.
- Developed **Maven 2** scripts to build and install multi-module project onto the application server based on defined profiles.
- Developed module to create, merge and encrypt **PDF** files using **iText 2** and render them using embedded Adobe Reader 9 browser plugin.

AllianceData Systems - Columbus, OH
Feb' 09 – Jun' 09

(through Randstad technologies)

SmartMart eCommerce project (Sr. Programmer)

- Updated eCS (electronic customer service) project with JSF and EJB technologies to let customers view credit card statements and make monthly payments.
- Involved in architecture and development of SmartMart project.
- Solely responsible to develop pay-online module that accepts customer monthly credit card payments and generate their monthly statements.
- Developed SmartMart placeholders using **JSF 1.2(RichFaces)** and **JSP** for front-end and supported those using **JAX Web-services** and **EJB 3.0** in the back-end.
- Developed Core **Maven 2** build scripts to automate Java build process.

Ingersoll Rand (formerly The Trane Company) - St.Paul, MN
Jan' 08 – Feb'09

(through Randstad technologies)

Tracer SC project (Sr. Programmer)

- Developed modules ranging from custom and composition component to page development with MyFaces, JSP, Servlets, Ajax4jsf and Facelets using JSF, Spring and Hibernate framework.
- Developed a Custom Client-side AJAX manager using JavaScript, JSON and Prototype libraries and CSS.
- Built a library of custom components, that have both server-side and client-side modules, to be used in page development to suite specific Graphical needs of System control units.
- Implemented various GoF Java and J2EE design patterns. Experience using UML 2.0 to communicate design and architecture models.

Genworth Financial (formerly GE Financial) - Manhattan, NY
Jun '04 – Jan '06

Risk Management/FASB 133 Hedging project And Content Ingestion project (Programmer Analyst)

- Involved in Full Software Development Life-cycle from gathering requirements from Traders and Financial Analysts to designing, developing, testing and deploying the solutions on the Client's platform.
- Implemented FASB 133 hedge accounting and effectiveness for their derivatives and risk management system using Principia analytical systems.