R&D Engineer R&D Engineer R&D Engineer - Inpensa Inc New York, NY   6 year professional experience as a Software Engineer involving REST and SOAP Web Development, Core Java, J2EE technologies, Cloud Computing, Microservices, Data Analysis and Machine Learning   Expertise in Object Oriented Programming and Web Development using Core Java, J2EE technologies like Spring, Hibernate, Spring Boot, JSF, JSP, Play Framework, Servlet, JDBC, Jackson and JAXB   Proficient in database development using SQL and PL/SQL for RDBMS like Oracle, MySQL, PostgreSQL and NoSQL like Redis, MongoDB and Memcached   Proficient in configuration and administration in Amazon Web Services like IAM, EC2, S3, Elastic Beanstalk, RDS, DynamoDB, Lambda, EMR, API Gateway, CodeCommit, SNS, SQS and SES   Experience in designing and implementing Service Oriented Archicture based on JAX-WS and JAX-RS   Experience in Microservices implementation using Docker with cloud configuration   Experience in Messaging Middleware like JMS and ActiveMQ for instances communication   Experience in front-end web development using AJAX, XML, HTML, CSS, JavaScript, JSON, JQuery, Backbone.js, underscore.js, Bootstrap and Highcharts   Experience in Test Driven Development using unit framework like JUnit and Mockito   Experience in configuring Application Server like Wildfly, JBoss, Apache Tomcat and Glassfish   Experience in using SVN and Git for version control and continuous delivery and integration using Jenkins   Hand-on experience in Machine Learning and Data Analysis using h2o.ai, Python, Numpy, Scipy, Spark MLlib, Matplotlib with Deep Learning framework like MXNet and Tensorflow   Experience in Big Data technologies like Hadoop, Pig Latin, Spark, MapReduce, HDFS, Hive, HBase, Experience in Shell scripting under Unix/Linux operation system   Knowledge in various design patterns such as Singleton, Factory, Proxy and Adapter   Experience in Agile Methodologies like Waterfall and Scrum along with TDD approach   Self-motivated, dedicated, reliable as a team player with excellent interpersonal skills Authorized to work in the US for any employer Work Experience R&D Engineer Inpensa Inc August 2017 to Present   Led team to implement high-quality and extensible Java RESTful web applications for clients on AWS cloud   Re-designed and decoupling system architecture and integrated with Microservice   Embedded and integrated third party BI software, Logi Analytics, with application for report module   Involved in

Database Designing for consuming operation and historical data for different version application   Implemented new features based on previous platform under Spring framework   Designed and implemented APIs and modules for CRUD services using Core Java and Spring MVC   Performed Object Relation Mapping using Hibernate with XML configuration   Designed and implemented server side Cache Service for improving better user experience   Created JSON object binding and entities mapping using Jackson, JAXB and XML   Wrote procedure, query and trigger for Oracle database in sqldveloper using SQL and PL/SQL   Experienced in microservice implementation and configuration using Docker under Amazon Web Services   Implemented Single Sign On features across different domains by Java SAML Authentication   Maintained and improved performance for the ongoing projects by optimizing API design and data structure   Implemented read, input and export MS Excel report using Java and Apache POI   Implemented email dispatching based on Quarts and JavaMail API   Implemented UI for Administrator by HTML, CSS, Javascript, XHTML, and Backbone.js   Design API from frontend to allow layout change able to be configured from database side   Experienced in building libraries and dependencies through Gradle and npm   Involved in strategies design to prevent internal and external SQL Injection   Involved in Project Administration using Putty and WinSCP under Linux system   Responsible for pushing different projects to different environment through SVN   Used Jenkins as a Continuous Integration and Continuous delivery   Built projects and managed package using Maven under different environments Java/J2EE Developer Marlabs Inc March 2016 to April 2017   Exposed to Agile Scrum and involved in designing RESTful web application and data middleware   Developed the web applications using Spring MVC and other components of the Spring Framework, with the controller being Spring Core including writing actions/classes/forms/custom tag libraries and JSP pages   Performed Object Relation Mapping using Hibernate, created data pipeline for storing data and processed CRUD operations for the data   Developed database schema, populating data and query using SQL functions, stored procedures and triggers   Configured and deployed web application through using Apache Tomcat   Implemented messaging service using JMS to notify different business services to consume data from recommendation system   Implemented Elasticsearch for

the purpose of full-context search and auto-suggestion   Designed and developed the UI using HTML, CSS, JavaScript, AngularJS, Bootstrap and JasperReport   Used AJAX to implement asynchronous communication with server side   Implemented Hadoop to analyze user behaviors and used Pig Latin to process queries for the analysis model   Created JRXML report templates using JasperReport, compiled and executed them to get detailed report of the prepayment scoring system and processed the data visualization using D3.js   Implemented the logging mechanism using slf4j framework   Developed JUnit test cases for unit testing, integration testing, functional testing and performance testing, and fixed raised bugs   Used Jenkins as a Continuous Integration and Continuous delivery   Used JIRA to simplify the way of tracking and managing bugs Research Engineer - Data Platform Viewlift February 2016 to November 2016   Exposed to Agile Scrum and involved in backend development of core platform   Developed new features based on core platform under Spring framework   Redeveloped previous Recommend System for users and created related APIs and data visualization to process business prediction, especially about users subscription churn rate and preference churn rate, and implemented creating dataframe, building model and processing prediction using machine learning technologies like h2o.ai, Spark MLlib and matplotlib   Processed EMR prototyping to create Spark applications on Amazon Web Services for machine learning   Developed and configured machine learning platform based on h2o.ai and deployed platform to Amazon Web Services using AWS SDK   Developed scripts using node.js and node-cron to schedule routine tasks for updating data sources and uploading prediction reports on AWS S3   Performed Object Relation Mapping and data persistence through Java Dari framework and Hibernate to store data to local databases like MySQL and PostgreSQL and remote Content Management System (CMS)   Created scripts to convert Java Object from/to JSON Object using Jackson   Created the HTTP requests for sending JSON Object according to remote server logs and tested through Advanced REST client   Involved in migration of previous platforms from Spring to Spring Boot   Involved in Test Driven Development (TDD) using JUnit and Mockito   Performed deep learning experiment using MXNet and Tensorflow framework to improve prediction   Optimized Java code and features like caching and hashing using Google Guava   Involved in

integration and performance monitoring and tuning using VisualVM   Involved in development in IP geolocation service like geofencing using Maxmind GeoIP library Data Analyst Arecy Inc August 2015 to March 2016   Responsible for extracting, compiling and analyzing business data to using Python, SQL and R   Performed batch processing using Shell to configure environment and document permission   Perform data clean and statistical analysis using MS Excel to examining data source   Debugged errors for previous script under Windows and Linux OS Web Developer Mazars Group May 2014 to August 2014   Solo developed tax task management system using Java and Spring MVC   Designed and developed frontend using HTML, CSS, JavaScript, JQuery, AJAX and Bootstrap   Used socket.io to implement chatting function among colleagues   Designed schemas and keys for database using UML   Used SQL to process CRUD operations for MySQL database   Configured and deployed web application on AWS   Processed data persistence by Hibernate and HQL   Performed backend and frontend unit testing by JUnit and QUnit Web Developer Mazars Group April 2013 to August 2013   Involved in building and deploying RESTful web application under SDLC   Involved in old platform migration from Struts to Spring   Used SQL and JDBC for query and stored procedure for MySQL database   Implemented single page application using HTML, CSS, JavaScript, AJAX, AngularJS and Bootstrap   Involved in CD/CI using Jenkins   Built and deployed web applications using Groovy and Gradle   Involved in shell scripting for environment configuration and document permission setting Junior Web Backend Developer Mazars Group September 2010 to August 2012   Developed new middleware features based on previous platform   Performed AOP and IOC under Spring Framework   Used MyBatis to perform Object Relation Mapping and data persistence   Used MongoDB and Redis as cache database for quick loading of static web content   Developed JSP, JSTL and Servlets to build connection between server and client   Implemented messaging services using JMS and Kafka Education Master in Information System Engineering and Management in Information System Engineering and Management Harrisburg University of Science and Technologies - Harrisburg, PA 2016 to 2018 Master in Computer Science in Computer Science New York University Tandon School of Engineering - New York, NY 2013 to 2015 Bachelor in Computer Science in Computer

Science University of Shanghai for Science and Technology - Shanghai, CN 2008 to 2012 Skills Eclipse, J2ee, Java, Hibernate, Spring, Jax, Jaxb, Jax-ws, Jboss, Jms, jquery, Jsp, Servlet, Amazon web services, Api, Git, Gradle, Hadoop, Hbase, Hdfs

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