**RAMYA RAJENDRAN**

**Senior Developer**

Software engineer with 14 years of experience in various sectors including financial services and electronics. Extensive experience in development of high-quality software solutions with confident business and IT stakeholder collaborative engagement including requirements gathering. Excellent problem-solving skills.

**WORK EXPERIENCE**

**Role: Senior Developer**

**London Stock Exchange Group**

*Project:* *Fxall in Workspace*

*Dates: Apr 2023 – Nov 2024*

* Engagement with product owners and BA’s to capture requirements for migration of the FX Buyside trading platform to a next-generation platform
* Facilitated design discussions and documenting software solutions
* Design and develop Order staging component: Responsible for order management, order workflow, un-netting and netting [manual and auto] orders based on user specific netting constraints and system-wide netting compatibility
* Performed testing using TDD, unit, integration and e2e tests
* Assist QA in automation testing
* Showcase and demonstrate feature to product owners and wider audiences
* **Tools:** Java 17, Springboot, Rest API, PostgreSQL, Redis, Sonar, Scrum, Kafka, DataDog, WebSocket, Docker, Avro, Maven, Git, MS Azure, OOD, TDD, Jira, Confluence

**Role: Senior Developer**

**Morgan Stanley**

*Project:* *Credit Risk Reporting*

*Dates: Jul 2020 – Apr 2023*

* Reverse engineering the complex aggregation and roll-ups of a legacy credit risk application
* Documenting and demonstrating the data flow
* Migrating legacy Credit Risk platform to Spark/Databricks and had to be fully re-engineered to sustain increase in volumes and meet new audit constraints.
* Developing Exposure aggregation engine for computing large number of statistics over millions of trades and guarantee auditability
* Producing new runs for different regulators, hierarchies and populations
* Continuous testing of each stat against the old platform to produce 100% match
* **Tools:** Java 8, Apache Spark, Springboot, Maven, Spark SQL, Agile, Scrum, yaml, SQL

**Role: Senior Developer**

**Riskcare**

*Project: Rainmaker*

*Dates: Apr 2020 – Jul 2020*

* Working closely with Product Users for requirement gathering
* Design and implementation
* Integrate Mimecast API
* End to end testing
* **Tools:** Java 8, Rest API, Mimecast API

**Role: Developer**

**Morgan Stanley**

*Project: Valuation Adjustment Automation*

*Dates: Jun 2017 – Apr 2019*

* Understanding the legacy models take are in the form of stand-alone Scala packages or Microsoft Excel spreadsheets and we run on a periodic basis
* Working closely with Front office IT, to gather specifications
* Designing and implementing new adjustment runs
* Migrating the legacy models onto the RICE platform
* Deployment and support activities to help dev-ops and testing team
* Tools: Scala, Oracle, Agile, scrum

**Role: Developer**

**Credit Suisse**

*Project: RDS[Risk Data Store] , CVA[Credit Value Adjustments]*

*Dates: Feb:2011 – Apr:2014*

* Working closely with BA to gather requirements and involve in making BRD
* Design and implementing new features for Application (User Interface) as a part of Regulatory requirements
* RDS deals in data storage related to market risk, where the data in files are sourced, loaded, mapped, enriched and adjusted and published in the format required by downstream systems
* CVA deals with building a platform for loading Feeds for CVA evaluation
* Manual testing and deployment
* **Tools:** Java 6, Spring MVC, REST, JSON, Oracle, PLSQL, Agile, Scrum, Junit, JMock

**Role: Developer**

**Infineon technologies**

*Project: Analyze Agent, CEDA (Cornerstone Engineering Data Analysis)*

*Dates: Feb 2007 – Feb 2011*

* Implement analysis engine that preforms data analysis and informs the user about the Result. The analysis is done on Lot and wafer level
* Design solutions based on BRD
* Implement software that analyze the input data [eff, tsf and Ascii files]   
  using various statistical methods and produce graphical representation and statistical evaluation
* Weekly calls with Product and Process Engineers in analyzing the job details.
* Tools: CEL, C++, XML, Java, Struts, SPSS Scripts, JavaScript, JSP, Oracle 9i

**LICENSES & CERTIFICATIONS**

* Functional Programming Principles in Scala - License 8KYBV2EFYFGB
* Functional Program Design in Scala - License G9AKTWAMXCEX
* Kotlin for Java developers
* Big Data Analysis with Scala and Spark
* Oracle certified Java Professional SE 8 – Testing ID OC1674751
* NSE India certified in Financial Markets and Derivates

**TECHNICAL SKILLS**

**Public Cloud:** MS Azure

**Programming language:** Java, Scala, C++

**Front-end language:** HTML, JavaScript

**Frameworks/Libraries:** Springboot, Struts, Spring, JUnit, JMock, Mimecast API, Apache Spark, Spark SQL

**Modeling tools:** UML, Microsoft Visio

**Databases:** Oracle, PostgreSQL, MS SQL Server 2000, PL/SQL

**Containerization:** Docker

**CI/CD builds:** GitLab, GitHub, Teamcity, Azure DevOps, Jira, Maven, Gradle

**Methodology:** Waterfall, Agile, Scrum, TDD, OOD, Clean Code Techniques

**Architecture Principal:** Microservices

**Event Streaming:** Apache Kafka

**OS:** Windows, Linux

**Protocols**: JSON, REST

**Domain:** Banking, Electronics

**Other Tools:** Confluence, Intellij, ServiceNow, Eclipse