KANNAN RAJAPPAN

Oshawa, Ontario. L1K 2P9

[**VAASANKANNAN@GMAIL.COM**](mailto:VAASANKANNAN@GMAIL.COM) **250-299-6749**

**Technical Consultant**

Design, develop, improve, and upgrade systems with analytical and technical skills

Over 13+ years of proficiency at designing and developing applications that enhances internal and external product processes. Expertise in whole product development life cycle from getting user requirements in meetings, analysis with peers and architects, design and development with code reviews, unit testing with debugging tools, delivering with quality assurance, user training and creating documentations.

* 13+ Years of Progressive IT experience extensively in Software Development with special focus on  
  Application modernization, integration using Java, Spring Boot Microservices, and Rest API’s.
* Proficient in developing Microservices and Rest API’s using Core Java/Java 8/11, Spring Boot, JavaFx, HTML, App dynamics, Spring JPA, CI/CD, Single Sign On, Oracle, Casandra, MySQL, MS SQL Server.

**Soft Skills**

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| * **Effective Communication** | * **Research & Analysis** |
| * **Critical Thinking** | * **Analytical** |
| * **Problem Solving** | * **Creativity** |
| * **Decision-Making** | * **Time Management** |
| * **Best practices** | * **Mentoring** |

**Technical Skills**

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| * **Data Structures and Algorithms** | * **Java 11** | * **SQL** | * **Junit** |
| * **Design Patterns** | * **Hibernate** | * **JavaScript** | * **Perforce** |
| * **Software Development Life Cycle (SDLC)** | * **Spring** | * **MYSQL** | * **Jenkins** |
| * **Object Oriented Programming (OOPS)** | * **Spring Boot** | * **Bit bucket** | * **JIRA** |
| * **SOLID Principles** | * **SOAP** | * **Microservices** | * **Kotlin** |
| * **Swagger** | * **Postman** | * **Mockito** | * **Single Sign On** |
| * **Coverity** | * **SonarQube** | * **AppDynamics** | * **Fortify Scan** |
| * **Black Duck** | * **Lombok** | * **Performance**   **Testing** | * **Web Services** |
| * **TornadoFx** | * **REST** | * **Maven** | * **Jboss/Wildfly** |
| * **Jasper Report** | * **XML** | * **Azure** | * **GIT** |
| * **Apache Tomcat** | * **HTML5** | * **Docker** | * **JSON** |
| * **Agile / Waterfall / Scrum** | * **Cassandra** | * **Eclipse** | * **Secure Socket Layer (SSL)** |
| * **Network** | * **Encryption** | * **Decryption** | * **JavaFx** |

**Professional Experience**

**HSBC Bank, Toronto**

**Technical Consultant September 2022 – Present**

* Working for Wholesale Credit and Lending development team in LOANIQ product.
* Developed multiple utilities to overcome time consuming manual process like XFOS Trade Visibility, Remittance Search and Clone, Batch Data Logic Error Notification across all regions.
* Prepared technical design documents, functional documents and developed POC for DataStage migration application.
* Developed POC for PDF extraction application to automate customer notebook creation.
* Responsible for functional and technical requirement understanding, estimation for the User story point, planning, analyses, design, coding, testing and development.
* Involving in tracking production issue and fixing the issues.
* Unit testing and defect fixing along with code integration and peer code review.
* Involved in writing business layers methods for various transactions
* Used application monitoring tools like Splunk and Dynatrace
* Production Support and Monitoring Control-M batch jobs for multiple regions.
* Developed multiple automation tasks for production support tools.
* Prepared technical design documents and functional documents for Control-M application.
* Worked in Bitbucket and GitHub source control and build tools

**Technologies**: Java 8, 11, Spring Boot, Microservices, Junit, Oracle 10g, Tomcat 7x, Rest Webservices, Soap, Linux, Windows, Mockito, SonarQube, Jenkins, GitHub, Bitbucket, JIRA, Confluence, Jenkins, Open API, Swagger, Postman, Oracle, Lombok, and Maven.

**Scotiabank, Toronto**

**Senior Software Engineer October 2021 – September 2022**

* Worked in Core and Derivatives and Risk Product development team to integrate multiple products with various Scotiabank existing products.
* Upgraded migrated the Java 6 to Java 11 and designed and developed Microservice APIs by using Java and SpringBoot to post currency trades such as futures, bonds, securities and it feeds to various Scotiabank analytic services.
* Designed and developed the real time pricing and trade feeds from Bloomberg markets and processed Market Data and sent it to Distributed Analytical Service.
* Developed Business logic, Data access objects, utility classes and helper methods.
* Developed unit test cases and unit tested modules with Junit, Mockito framework.
* Prepared design documents, function documents for developed modules.
* Worked in Bitbucket and GitHub source control and build tools.
* SSL implementation for Market Data subscription application.
* Integrated with Bloomberg Open API in Scotiabank digital application.
* Working knowledge in Trade life cycle and Capital Markets.
* Troubleshoot any issues arising out of application install and validation.

**Technologies**: Java 8, 11, Microsoft Azure, Spring Boot 2.7, Microservices, Junit, Mockito, SonarQube, Jenkins, GitHub, Bitbucket, JIRA, Open API, Swagger, Postman, Cassandra, Docker, Lombok, and Maven.

**Scientific Games, Mississauga, Ontario**

**Lead/Senior Software Engineer November 2017 – October 2021**

* Led a development team to upgrade and migrate systems to latest SpringBoot framework and delivered service APIs and patches, written in Java, Jboss/Wildfly, Spring Boot, Hibernate and SQL Server. Wrote 70% of code, reviewed the others 30% and deployed in Microsoft Azure Platform.
* Worked at Ontario Lottery and Gaming Corporation (OLG) Canada, am main point of contact to design, code, deploy, automation and performance testing, deliver and managing product build packages via Phone/Email on a daily basis with OLG clients and SG Service Technicians.
* Resolved/provided required solutions with every Casino Site, every Electronic Gaming Machine, Slot issues/problems from start to finish service cycle.
* Designed, developed and integrated Single Sign On Authentication with existing Java Applications and validating with Active Directory to manage the users across java applications.
* Designed and developed text log extraction from critical application logs using Kotlin and TornadoFx.
* Designed and developed report generation tool using JBoss/Wildfly, SQL database.
* Provided Fast-efficient solutions, Technical Support, Professionalism, on-demand communication daily.
* Ensured Highest level of Standards with an urgency for each service call, issues via phone follow ups, SG Techs using outlined communications standards daily
* Worked at Alberta Gaming, Liquor and Cannabis Commission (AGLC), British Columbia Lottery Corporation (BCLC) to design, code, deploy, automation testing, deliver and managing the SG product build packages via Phone/Email on a daily basis with SG Service Technicians.
* Deploy SG proprietary products like Slot Data System, Alert Grid, Asset Matrix, and User Matrix at customer sites.
* Identifying the Critical application for System resource utilization (CPU, Memory, Threads etc.) & JVM heap size was monitored using AppDynamics and system tools.
* Understanding of Network Firewalls, Load - balancers and network design.
* Troubleshoot any issues arising out of application install and validation.
* Provide Technical Training to customer on SG proprietary software products and assist customer with performing day to day IT operations.
* Gather requirements for new enhancements/customizations from customers.
* Work with SG product management team to come up Functional Requirement Documentations.
* Create System Design Documentation for specific Enhancements/Customizations and work with customer for design approval.
* Develop and Unit Test Enhancements/Customizations in accordance to the agreed upon design specifications.
* Support through QA/UAT and Production rollout phases for enhancements and customizations.
* Utilized each day MS Office Software Apps (MS Outlook, MS Excel, and MS SharePoint).
* Together with my Managers, and Directors at Scientific Games Corp, provided necessary suggestions for solutions to problems encountered.

**Technologies**: Java 8, Microsoft Azure, JavaScript, JavaFx, Swing, SWT, JBoss/Wildfly, Spring Boot 2, Microservices, Junit, JMeter, Coverity, AppDynamics, GitHub, JIRA, REST API, Postman, Swagger, Postgre SQL, SQL Server, Oracle, Docker, Lombok and Maven.

**Scientific Games, TamilNadu, India**

**Lead/Senior Software Engineer July 2010 – November 2017**

* Being a technical lead, guided the team at onshore/offshore in explaining the requirement & provided technical guidance, refactoring code using Java, Jboss/Wildfly, Spring framework with SQL Server base and provided solutions to deliver the Scientific Games product build packages across multiple regional such as US, Canada, Australia and South Africa.
* Developed SG System Dashboard monitors critical system and application status like server availability, disk space, memory usage and DBMR status. The Dashboard application obtains information from the applications through agents or services that are installed in the respective application or database servers.
* Developed a major part of InSite application, written in C#, HTML5, JavaScript, Ajax, SQL for Australian Route Market. Site Controller will provide feature to manage a Route casino. Route Market is referred to small casinos, pubs, clubs or any establishment providing gaming and entertainment service with two to two hundred slots. Performance tuning and load testing of application.
* Developed the admin module in SDS is used to start and stop a drop process: coins, bills, and slips. Track employee cards log on and log off employee cards from a shift and view the list of signed on cards.
* Developed an Interface for SDS Ticket Cashiering (STC) allows cashiers to redeem cashable promotional tickets.
* Developed a user interface for Slip Inquiry utility is used to retrieve and view the details of slips issued for jackpot, dispute, fill /bleed.
* Developed a printer format screen used to search, add, edit, and delete custom or available printer properties that are required for printing jackpot, dispute, and fill bleed slips.
* Developed a slip designer screen used to design jackpot, dispute, and the fill bleed slips. The fields selected in this option are printed on slips.
* Developed an export/import screen used to export or import the slip designer or the printer command XML configuration files.

**Technologies**: Java 6, 7 and 8, JavaFx, Swing, SWT, JBoss/Wildfly, Spring and Spring Boot, Hibernate, Microservices, Junit, JMeter, Coverity, AppDynamics, Perforce, REST API, Postgre SQL, SQL Server and Maven.

**Education and Professional Development**

Bachelor of Technology in Information Technology - Anna University Chennai, Tamil Nadu 2010

Diploma in Information Technology - AICTE - Chennai, Tamil Nadu 2007