**Rahul**

**Edison, NJ**

**SUMMARY:**

* Offering a successful career of nearly 15+ years with proficiency in technical disciplines & quality strategies to successfully integrate business needs & technology.
* Driving design, development & deployment of high performance scalable applications in Microservices Architecture, Angular5, Node.js, JavaScript, multi-threading, RMI, JDBC 3.0/4.0, XML, PL/SQL, Spring 4.0 (Spring Boot, Spring MVC, Spring REST), Hibernate 3.0, UML, WebSphere MQ, XQuery, Marklogic, Big Data using Agile methodologies, identifying & mitigating risks associated with the technical implementation and deployment.
* Experience in integrating applications with messaging platforms Apache Kafka, ActiveMQ, and RabbitMQ.
* Participating in the Software Development Life-cycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to maintenance of proposed applications.
* Experienced in developing Microservices with Spring Boot, Spring REST, Spring Cloud, Eureka, API-Gateway etc.
* Expertise in developing SOA (Service Oriented Architectures) and Microservice architectures using J2EE web services
* Devising software solutions by studying information needs, conferring with users, studying systems flow, data usage, and work processes.
* Experience of source code repositories tools like GIT, BItBucket, CVS, ClearCase, and Tortoise SVN developing on Linux, Windows Operating Systems.
* Gathering and analyzing data in support of business cases, writing test plans and scripts for tracking defects and fixes in product development, software application development, information systems, and operations systems.
* Ensuring that all activities and deliverable associated with the project are coordinated and completed on time, in adherence to the Software Development Framework (SDF) and Software Quality Assurance (SQA) processes using Agile methodologies.

**TECHNICAL ENVIRONMENT:**

**Languages:** Java (8 and 11), Unix Shell scripting, Perl, XQuery, PL/SQL,Python3

**Database Systems:** Oracle 9i/10g, Oracle 11g, Hive ,CosmosDB, DynamoDB, MongoDB

**Cloud Systems:** Amazon Web Services (AWS), Azure

**Big Data:**  Hadoop, Hive, HBase, Pig, Flume, Sqoop, Spark 3.4

**IDE/Toolkits:**  Eclipse, Intellij, Oracle SQL Developer, Angular IDE, Github Copilot

**Web Technologies:** Microservices Architecture, Spring Framework (Spring Boot, Spring MVC, Spring

JPA), HTML, HTML5,RMI, JDBC 3.0/4.0, XML, JavaScript, CSS3, XML, Node.js,

Angular 7/11,React, Bootstrap, jQuery, Apache Wicket

 **Tools /Frameworks** Mule soft Any Point Studio, Hibernate 3.0, GraphQL

Mark logic, Elasticsearch 5.4

**Messaging Systems:**  WebSphere MQ, Kafka

**Version Control:** SVN, GIT, Bitbucket, Gitlab

**Build Tool:** Jenkins, ANT, Maven, Hermes

**Deployers:** Udeploy, BladeLogic, Nolio

**Server:**  WebLogic 11g, Apache Tomcat 8, WebSphere 7.5

**Operating Systems:** Windows 10, Linux (Red Hat Linux), Sun Solaris,

Mac OS

**Testing Tools/API:**  JUnit, Hamcrest, Mockito, Spring Test, PowerMockito, Selenium

**Domains**: Capital Market, Equities, Trade Finance, Credit cards, Risk Management

**Methodologies:**  Agile Methodology, Object Oriented Design

**UBS – Weehawken, NJ Jan 2024 – Till Date**

**Senior Java Developer/Architect**

UBS Wealth Management is awealth management of UBS offering financial services like funds transfer, investment services to high net worth clients.

Responsibilities:

* Migration of services to the Azure Cloud platform using AKS cloud
* Nexus IQ integration into the repositories as part of security scanning the repositories for vulnerabilities
* Resolution of BAU issues related to funds transfer and other services
* Improved test coverage of existing services and make it Sonar/NexusIQ compatible
* Used Spring Boot which is radically faster in building cloud Microservices and developing Spring based applications with very less configuration.
* GraphQL was used as the additional refactoring in the migration of existing services to cloud which included querying the REST APIs
* Developed authentication for the payment history microservices using Spring security
* Developed some unix automation scripts to navigate for faster searching and troubleshooting
* Onshore Offshore co-ordination in resolving issues related to customer complaints.
* OAuth2 protocol was used to authenticate the REST APIS utilizing the assessment of third party tools like Auth0 and Okta for the purpose
* Creating C4 architecture diagrams to model the migration of microservices to Azure environment with deployment into AKS clusters.

Tech Stack: Java, Spring Boot, Microservices, Gitlab, Spring Security, React, DB2, GraphQL

**Wolfe LLC – Pittsburgh June 2023 - Dec 2023**

**Architect**

Wolfe Platform is a gifting platform which deals with card linking and has a suite of products with Visa/MasterCard/A gift cards. The main focus of this project was to move the current platform from the legacy PHP code to the newer AWS platform

Responsibilities:

* Setting up the AWS infrastructure to maintain data quality of the merchant locations to be used in the gift card business. The infrastructure was set up using Redshift data-ware house.
* GraphQL was used as the additional refactoring in the migration of existing services to cloud which included querying the REST APIs
* Developed numerous automation scripts to validate the location data against Google Places API
* Developed AWS glue jobs using workflows and python scripts to automate the process of validating data against the Google places API which is part of the Google Cloud Platform (GCP).
* Location services and Address validation services of GCP was used to validate the existence of the business locations.
* Developed glue jobs to validate the location data against the Visa API using pySpark.
* Developed glue job to validate the location data against the MasterCard API using pySpark.
* Developed the micro-services infrastructure using spring Boot and deployed in ECS where various APIS for Giftya (which involved card linking features were developed.
* Aligned with the business needs of creating a clean data environment where validations for the data were written
* Implemented a security layer in front of the REST AP using Spring security and OAuth
* Used ActiveMQ as Java Messaging Service for producing and consuming data between applications.
* Used Microservices to communicate using synchronous protocols HTTP and REST for implementing SOA.
* Designed and implemented container-based polyglot microservice architecture using Docker and ActiveMQ for new application infrastructure.
* OAuth2 protocol was used to authenticate the REST APIS utilizing the assessment of third party tools like Auth0 and Okta.

**Tech Stack**: Java, Microservices, Spring Boot, Visa API, MasterCard API, Google Places API, Spring Security, Spark, Openshift, Google Cloud Platform (GCP), OAuth2, GraphQL

**Barclays, Whippany, NJ**  **Sept 2022- June 2023**

**Java Tech Lead**

Orchestrator is a part of the trading system at Barclays which handles is central triggering point for all the batch processing systems.

**Responsibilities:**

* Developed micro services to override readiness flag in the readiness module of the Orchestrator project.
* Created a new SIT environment using Nolio as part of the Orchestrator project.
* Developed numerous enhancements to the downstream message flows as part of business requirements.
* Resolved numerous business as usual (BAU) issues.
* Improved coverage of Readiness module using JUnit and PowerMockito .
* Co-ordination with UI team on making UI changes as part of enhancements to the Orchestrator project using Angular
* Database migration from Oracle 12c to 19C
* Developed authentication for the Orchestrator microservices using OAuth 2.0.
* Worked on enhancements for the Angular UI module of the Orchestrator project (adding a page to handle extra flags and validations for the data to be sent to the downstream systems)
* Implemented a security layer in front of the REST AP using Spring security and OAuth
* Fixing numerous existing issues in the Angular code including sonar and static analysis of the existing Angular code.

**Technical Skills:** Spring Boot,Microservices Architecture ,Netcool,Nolio,Solace,Angular,Spring Security,MySQL

**Merchant-E solutions, Alpharetta, Atlanta December 2020 – August 2022**

**Java Architect**

Merchant E is an acquiring bank which acts a mediator between the merchant and the sponsor bank.The project involved transitioning the legacy credit card processing system to the newer technology platforms.

**Responsibilities:**

* Involved in the design and development of 4 events for the Timed Event Manager(TEM) module.
* Driven the end-end-end design of the events using the UML modelling like process flow diagrams ,sequence flow diagrams etc.
* Migrated legacy events to cutting-edge technologies like **Spring Cloud Data Flow (SCDF)** using **Kubernetes** and **Docker**.
* Kubernetes dashboard was used for managing the deployment of refactored applications in the pods and various pod configurations were done to add filesystem volumes to the pods.
* Involved in the end-to-end development and refactoring of the legacy events using **Spring 4.0,Spring Batch,Spring Boot 2.0.**
* Maintained and deployed various applications using SCDF and involved in the creation of integration and staging environments.
* Created deployment scripts for SCDF using UNIX.
* Production deployment of refactored events to SCDF.
* Involved in handling and resolving Business as usual (BAU) production issues
* Coding enhancements for fixing the SONAR issues for the Timed Event Manager application
* Involved in the creation of two microservices that was deployed in AKS cluster in the Azure cloud platform
* Involved in the initial setup of the GitHub repository Workflows to deploy applications in the AKS for the Dev, QA, Prod environments
* Skillset : Azure ( AKS ,Cosmos DB, APIM, Terraform ,Event hub, Microservices

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**Technical Skills:** Java 8, Spring Cloud Data Flow (SCDF) , Kubernetes ,Docker, Spring Batch, Spring Boot

**Domains**: Credit card processing, MongoDB, React, Spring Data

**Education Testing Service (ETS), Princeton, NJ March 2019– December 2020**

**Java Technical Lead**

**Responsibilities:**

* Built RESTful Web services interface implemented in Java. Implemented entire application in Spring MVC 3.0 design framework.
* Worked on Hibernate 3.0 in data access layer to access, update and insert information in the database. Also used Java API for XML Web services (JAX-WS) to convert Java Objects to XML conversion.
* Involved in the requirement gathering, design, implementation and deployment of enhancements for IBIS application for Questar client using technologies Java 8, Spring, Hibernate, Oracle
* Involved in the design, development and deployment of enhancements for I Packager application for continuous packaging project using technologies Java 8, Spring, Hibernate, Maven.
* Involved in the design, development and deployment of enhancement for TCT application using Java 8, Spring, Hibernate.
* Deploy and manage applications on JBOSS/Tomcat J2EE server. Managed the codebase using GIT.
* Numerous bug fixes for the TCT application over three release cycle.
* Involved in resolution of numerous production support incidents. Java 8, Spring, AWS
* Involved in handling Business as Usual (BAU) issues.
* Coding enhancements for fixing the SONAR issues for the IBIS application and UP reviewer application.
* UI enhancements using Angular5 for the UP reviewer application.

**Technical Skills:** Java 8, Angular5, Spring, Hibernate, Maven, AWS, Oracle, SONAR

**Israel Discount Bank, NY June’18 – Feb’19**

**Role: Tech Lead /Principal Developer**

**Description:**

* Was part of the architecture team involved in designing the micro services using Mule Soft Any Point Studio for the Combined Statement Project.
* Tomcat Application Server was used for deploying the application.
* Managed substantial number of users in all LINUX servers
* Driven the design for the micro services using Mule Soft Any Point Studio.
* Implemented around 25 API of the micro services using Mule Soft Any Point Studio.
* Implemented around 5 RESTful API using Spring Boot.
* Developed utilities in Java to extract SQL queries from the Mule soft code at runtime.
* Refactored some modules developed in Mule soft for performance enhancement and re-usability.
* Fixed security issues for the modules using Veracode security scan.
* Built the Mule soft Dev, UAT and production clustered environments for Mule soft.
* Involved in handling numerous BAU issues and providing maintenance fixes for them.
* Mentored the team on API development using Mule soft and also involved in UAT testing.
* Developed several shell scripts for automating the deployment process.
* Proof of concept (POC) for the OKTA authentication single-sign-on feature for securing the APIs.
* OAuth2 protocol was used to authenticate the REST APIS utilizing the assessment of third party tools like Auth0 and Okta for the purpose

**Technical skills:** Java, Spring Boot, Mule soft Any Point Studio 7.3, Micro services, UNIX shell scripts, Maven, Jenkins.

**BNP Paribas, India- Mumbai April’17 – May’2018**

**Tech Lead**

**Description:**

* Was part of the architecture team involved in the selection of alternate technology to Google Search Appliances(GSA) with Elasticsearch 5.4
* Proof of concept (POC) including performance tests done for the migration of GSA to Elasticsearch.
* Driven the design for the migration of Google Search Appliance (GSA) to Elasticsearch.
* Implemented RESTful web-services for the GSA migration using Jersey and Spring Rest.
* Refactored some modules for performance enhancement and reusability.
* Lead the team involved in handling security issues for the research portal application. Co-ordinated security scans and fixes for them on priority basis.
* Migrated external DNS from Server 2003 to BIND running on Linux. Front-end development using HTML5, SASS, and JavaScript best practices.
* Developed several generic UI components in JQuery and JavaScript for the MIFID enhancements for the research portal.
* Involved in handling numerous BAU issues and providing maintenance fixes for them.
* Mentored the team on UI/UX technologies for the MIFID enhancements.
* Developed several shell scripts for automating the deployment process.

**Technical skills:** Elastic Search 5.4, Google Search Appliances, Maven, BladeLogic, JQuery, JavaScript, Unix shell scripting, CSS3, Bootstrap, Microservices,Hadoop,Hive

**Citi Jul’14 – Aug’16**

**Title: Program Trading**

**Lead Developer**

**Description:** Program trading is a part of the Citi order management system (OMS) in the equities domain which deals with program orders for institutional clients.

* Spearheaded the end-to-end development & deployment of enhancement features for the PTE application following the agile methodology.
* Spearheaded single-handedly the conceptualization, design, and development and production deployment of the siteminder authentication system for the APAC PTE application.
* Liaised with traders or business users for creating the book of work on a regular basis.
* Ensured resolution of Business as Usual (BAU) issues for the application including time-critical performance issues.
* Responsible for creating and managing users and group accounts and access privilege setting on Unix/Linux servers
* Implemented clean code & refactoring principles using TDD approach for various enhancement works done.
* Designed features for single click deployment using Udeploy and Hermes.
* Performed release management for various releases for the APAC PTE.
* Created numerous scripts in Perl and Python to automate tasks.

**Tech Stack:** Siteminder, Spring, Udeploy, Hermes, Swing, Big Data, Multithreading

**Polaris Pvt Ltd. Feb’ 2012- Jan’ 2014**

**Project Name: Liquidity Solution for JPMC**

**Aug 2013 – Jan 2014**

**Lead Developer**

**Description:** JP Morgan Chase uses the Liquidity solution provided by the Intellect product suite of Polaris.

It uses Sweeps, Notional Pooling and Intercompany Loans features of the Intellect product suite and

Has done extensive customization on the same to meet its needs.

**Responsibilities: -**

* Spearheaded the end-to-end phases like requirements analysis, design, coding and mentoring for the US Cashcon change request to the Liquidity application involving customizing the application for the US branches.
* Also involved in securing the application against SQL injection attacks using Veracode.
* Implemented several shell scripts for automating the deployment processes.
* Ensured resolution of Business as Usual (BAU) issues including performance issues.

**Technical Skills:** EJB, Weblogic, Multithreading, WebSphere MQ, PVCS

**Project Name: Liquidity solution for Northern Trust Bank Feb 2012 – Aug 2013**

**Description:** Northern Trust bank uses the Liquidity of the Cash management solution provided by the Intellect product suite of Polaris. It comes in 2 flavors as in Investment sweeps for investment in the Call and money markets as well as the interest calculation and accrual module.

**Responsibilities:**

* Involved in the end-to-end phases like the requirements analysis, design, WBS and mentoring for the various changes requests to the existing stable Liquidity application.
* Involved in the analysis, design and implementation for the new variable NAV feature involving the securitization of the two existing funds of Northern Trust.
* Implemented several shell scripts for automating the deployment processes.
* Ensured resolution of Business as Usual (BAU) issues including performance issues

**Arrk Solutions Pvt Ltd. April 2011 – Dec 2011**

**Project Name: IOPP**

**Principal Software Engineer**

**Responsibilities:**

* Involved in the end-to-end design and development of typical flow i.e. (spring controllers, DAO and Mark logic query) for the search module for the conference series portal.
* Involved in resolution of various Gnats (bugs or change request) arising in the IOPScience platform.
* Executed the onshore role of offshore/onshore co-ordination for the Backlog items project
* Implemented several shell scripts for automating the deployment processes.
* Ensured resolution of Business as Usual (BAU) issues including performance issues

**Technical Skills**: Spring 2.0, Hibernate 3.0, Oracle 11g, Marklogic

**Oracle Financial Services Software Ltd Feb 2008 – March 2011**

**Project Name: Core CADD (Customer Acquisition Due Diligence) -Singapore August 2010 – April 2011**

**Lead Developer**

**Responsibilities:**

* Involved in the end-to-end design and development of typical flow ie (Spring controllers, service and DAO) for the APF and Customer Profile screens and was also involved in the creation of PDF report using iText and Spring.
* Involved in handling the issues and bugs arising in System Integration Testing (SIT) and UAT.
* Executed several change requests for Global Transaction Service project.

**Technical Skills:** Weblogic 10.3, Spring, Hibernate, Oracle 11g

**Project Name: DWDL (Data-warehouse Loader)**

**November 2009 – August 2010**

**Responsibilities:**

* Involved in the end-to-end design and development of typical flow ie (MDB’s, session beans and DAO for two of the events (E042 and E022).
* Involved in the task of delegating activities like code and UTP reviews and other activities related to SIT to team members.
* Responsible for setting up the SIT infrastructure and resolving issues and bugs for the DWDL application.
* Involved in supplementary activities like preparing the root cause analysis documents in tune with the Causal Analysis and Resolution (CAR) process.
* Involved in the end-to-end design and enhancement of typical flow (MDB’s, session beans, and DAO to the existing DWL application for the IBIS Transition CR.

**Technical Skills:** Core Java, EJB 3.0, JDBC, Web Sphere AS 7.1, WebSphere MQ, Oracle 11g

**Project Name: TRIMS (Trade Record Information Management System) Feb 2008 – Sept 2009**

**Technical Skills:** Core Java, Struts, Spring, DWR, Oracle 10g

**Accenture Services Pvt Ltd. (June 2006 – Feb 2008)**

**Project Name: MORCOM Extra-clear June 2006-September 2007**

**Technical Skills**: Core Java, JSP, Servlets, EJB, Struts, Oracle, Sybase, UNIX

**Infrasofttech Ltd.**

**# 1) Omni Enterprise: Reporting Services Nov 2005-March 2006**

**Description:** Reporting Services is a tool which comes as a supplement to the OmniEnterprise core banking solution. It is used to generate customized reports with numerous features. It consists of two modules, template designer and report generator. The template designer is a Java Swing based which can be used to make templates using the user friendly features. The reports can be formed in PDF, HTML, XML and CSV formats. Reports can also be scheduled to run at a particular time as specified by the user. The web based module implements the two tier methodology using JSP and Servlets. Also features like built in page numbering and other special parameters, formula generator and other features prevalent Crystal Reports makes it a complete reporting solution.

**Technical Skills:** Core Java, Swing, JSP, Servlets, SQL Server.

**# 2) Project Name: Omni Enterprise - Wealth Management Feb 2005 – June 2005**

**Technical Skills:** Core Java, JSP, Servlets, Oracle.

**# 3) Project Name: Financial Services Solution Duration: June 2005-Oct 2005**

**Technical Skills:** Core Java, JSP, Servlets, EJB 2.0, Oracle 9i.

**Company: X-Wire Technology Inc. Jan 2003 – Feb 2005**

**Project Name: E-Auction**

**Team Size: 5.**

**Designation: Software Engineer**

**Technical Skills:** Java, J2ee (JSP, Servlets, EJB), Oracle.

**Freelancing work:**

**Upwork/Topcoder/Brilliant Info-tech Oct 2016-March 2017**

**Responsibilities:**

* Designed and developed several java components to be developed for the HBS application.
* Developed authentication module for Brilliant InfoTech using UI technologies like node.js, Angular 5, Amazon Web Services (AWS), Typescript for its training portal application Brilliant Academe.

**EDUCATION**

B. Tech from Indian Institute of Technology(IIT), Bombay- India in 2002

MBA (Finance) from United Business Institutes, Belgium 2012 (Part time)

**Certification:**

EDUREKA certification in Big Data (Hadoop, Pig, Sqoop, Flume, Hive)