# PROFESSIONAL SUMMARY

* Accomplished **Senior Java Developer** for **10 Years** of experience in designing, developing and implementing **N Tier** based web and legacy applications with thriving focus on achieving organizational needs, implementing **standards and process automation**
* Exceptional expertise in broad range of **technologies**, **methodologies** with focus on building and mentoring teams
* Expert in optimizing solutions, development of custom frameworks, innovative solutions visioning the current and future needs of the application with tenacious **problem solving capabilities**

# Core Competencies

* **JAVA Certified Software Professional** in end-to-end with **back-end** development & maintenance of software project for Banking and Insurance Domains
* Have good experience in **Equity trading** and **Stock Loan platforms** where it involved in the bulk number of transaction in the **Payment modules** in **Banking** **domain**
* Expertise in Object Oriented Programming using **Java** and **J2EE** related technologies for highly secured applications having N-Tier designs with the help of firewall techniques
* Experience in the field of information technology with expertise in the areas of **batch processing**, **object-oriented technologies**, **client/server applications** and **internet/intranet web applications, J2EE Architecture**, **Web Services**, **WS-Security, OO Design patterns**
* Well experienced in **Java Production support**, majorly I have been a part of Incident Management, Monitoring and Alerting, Performance Optimization, Configuration and Deployment, Incident Documentation, Release Management, Change Management, Troubleshooting and Debugging, Incident Communication, and Continuous Improvement
* Good Knowledge and strong experience in **Algorithms and data structures**
* Experience in all aspects of Software Development Life Cycle (SDLC) like **Waterfall, Agile** includes System Requirements analysis, designing, developing, implementing large-scale applications, Software Enhancements, Software installation and Maintenance
* Strong experience skills in **Java, J2EE, JDBC**, **Servlets**, **JSP**, **JavaScript** which includes **DOM manipulation** & **JavaScript object model** and **jQuery**
* Good experience in various open-source Frameworks like **JSP**, **Servlets**, **Spring**, **Hibernate, Jersey** and **Struts**
* Professional in **PL/SQL, HQL and Store Procedures**, strong experience with various relational database such as **MySQL**, **Oracle 11g, SQL Server** and **NoSQL** non-relational database such as **DynamoDB, Elastic Search**
* Expertise with Spring Framework using components like **MVC**, **Transactions**, **ORM** & **JDBC**, **Micro Services**, **Spring boot**, **Spring Security** using **OAUTH 2.0** & **AWT**, **API Gateway**, **Spring Test**, **JMS**, Web services (**SOAP** and **RESTful**), **JavaScript**, **HTML**, **CSS**
* Have strong experience in developing and building of **Complex Streaming applications** using **React Native APIs** which will eventually **improve the great Performance**
* Having good experience as a **React.js developer** using the **REACT tools** such as **Hooks**, **Redux.Js** and **Flux**
* Extensive knowledge in middleware technologies like **JSON, XML, IBM MQ, Web Services** and **Weblogic**
* Good understanding and very well experienced on **Multithreading** especially when it comes for **Batch processing**
* Have good experience in writing **Python** scripts to make the code simpler using more inbuilt data structures for better productivity
* Strong and recent experience with developing or working within an automated testing framework and utility script using **Groovy** with **Gradle** build
* Experienced on unit testing with **JUnit**, **EasyMock** for API mocking
* Very good experience and knowledge of performance testing frameworks such as **JMeter**, **Mocha** or **Jest**, **Gatling** and **LoadRunner**
* Strong experience in **AWS** Cloud environment and its offered various services such as **EC2**/ **EKS** and **S3**
* Experience in **Apache Kafka** having multiple datacenters along with physical implementation models to ensure scalability and resilience of the application
* Experience working with versioning tools like **GitHub** and **SVN**
* Excellent **Trouble Shooting** & code **Debugging** skills and exceptionally well organized, strong work ethics and willingness to work hard to achieve project/team objectives
* Motivation of peers and **mentoring** team members to **achieve** their respective annual objectives
* Highly motivated, self-starter with a positive attitude, willingness to learn new concepts and accept challenges

# TECHNICAL SKILLSET

**Languages:**   C++, JAVA 7/8/11, PL/SQL, Python

**Programming/Algorithms:** Object Oriented Programming, Design Patterns, Data Structures and Algorithms, Concurrency & Multithreading

**Front End Technologies:** HTML, CSS, JavaScript, Typescript, JSP, Bootstrap, Angular 14, React.JS, Redux.Js, React Native

**Frameworks:**  MVC, STRUTS, Spring, Spring MVC, Spring Boot, Spring Security, Spring Test, J2EE, Hibernate, JAX-WS, JAX-RS, Micro Services, NFS API, SOAP, REST, SOA architecture

**J2EE:** JSP, Servlets, JMX 1.1, Web Services, SOA, JPA, JTA, XML, XSD

**Application Server/Web Servers:** JBoss, Tomcat, WebSphere 7/6, Weblogic

**Databases**: SQL SERVER, Oracle 11g/10g, PostgreSQL, MySQL; No SQL: Mongo DB, Cassandra DB, Elastic Search

**IDEs:**  Eclipse, IntelliJ, Visual Studio.

**Configuration Management:** SVN, GIT

**Tools:** JMX, JMS, Jboss, JMeter, LoadRunner, Mocha or Jest, JSON, UML

**Dev ops Tools/Technologies:** ANT, Maven, Jenkins, CI/CD Pipeline, Mockito, JIRA, Docker, Apache Kafka, AWS, Gradle.

# EDUCATION AND CERTIFICATION

* **Masters of Science in Data Science | Saint Peter’s University, Jersey City, New Jersey, United States | 3.35 CGPA | Pursuing**
* **Bachelor of Technology in Information Technology | M. Kumarasamy College of Engineering, Karur, Tamil Nadu, India affiliated by Anna University, Chennai, Tamil Nadu, India | 8.77 CGPA| June, 2009 – May, 2013**
* **OCJP 6 (Oracle Certified Java Professional)**

# EMPLOYMENT HISTORY

* **Tech Mahindra, Chennai, Tamil Nadu, India: January, 2022 – January, 2023**
* **Infosys Edgeverve Systems, Chennai, Tamil Nadu, India: September, 2020 – January, 2022**
* **Capgemini Technology Solutions, Chennai, Tamil Nadu, India: December, 2016 – August, 2020**
* **Tata Consultancy Services, Chennai, Tamil Nadu, India: February, 2014 – November, 2016**

# PROFESSIONAL EXPERIENCE

**Company: Tech Mahindra, Chennai, Tamil Nadu, India January, 2022 – January, 2023**

**Role: JAVA Technical Lead**

**Industry: Banking**

**Client: Fidelity Information Services**

**Project: Open Payment Framework**

* Involved in the **Equity trading** internally in the banking product where it has functionalities of Real time data for **analysis to take decisions**, **User Interface** and **Risk Management**
* Implemented the functionalities of **Payment system** such as **ACH**, **wire**, and its related transactions according to the compliance with regulations such as **NACHA rules** and integrated it with actual banking system by **ensuring security** **measures**, **error handling** and **auditing**
* Written **HTML** and **CSS** code to structure web pages and apply **Bootstrap's styles and components**. This includes creating **navigation menus**, **forms**, **buttons**, **typography**, and **grid layouts**
* Developing of the project from scratch code of **React.Js** using some of its important tools such as **Hooks** and **Redux** and in the back end Java is responsible for building and maintaining
* Worked on **Complex Streaming applications** using **React Native APIs** for **complex animations**, **video/audio processing** of our Web applications for **multiple platforms** and operating system by splitting into multiple smaller Components
* Developed user interfaces using **HTML**, **DHTML**, **XHTML**, **CSS** & **JavaScript**, and **React.Js** dynamically
* Incorporated **JavaScript** and **jQuery** where necessary to enhance interactivity and functionality. Bootstrap includes **JavaScript** plugins like **modals**, **carousels**, and **tooltips** that developers can utilize
* Implemented **responsive and visually appealing** user interfaces using **HTML**, **CSS**, and **Angular templates** by writing clean, maintainable, and efficient code using **Angular coding standards** and best practices where it includes creating **Angular components**, **templates**, **services**, and **modules**
* Installed and integrated **Angular libraries or packages** of **WebSockets** like **“ngx-socket-io”**
* Finance **Micro Service** application development using Spring boot to develop **RESTful API** and using **JPA** combined with query SQL to communicate with Oracle database using **PL/SQL**
* **Leading** and providing **guidance** to the offshore team during the process of application remediation process though out till the application is deployed to production
* Involved in requirements **gathering**, **system design**, **analysis**, **implementation** and **setting up** the development environment
* Applied design patterns including **MVC Pattern, Factory Design Pattern** and **Singleton Design Pattern**
* Responsible for coding with the use of **Object-Oriented Principles** and implementing MVC with **JSP**, **Struts**
* Developed the **Spring AOP programming** to configure logging for the application
* Used **Spring** **MVC** to decouple **business logic** and view components
* Developed and implemented the MVC Architectural Pattern using Spring Framework including **JSP**, **Servlets**, **EJB**, **Form** **Bean** and **Action classes**
* Using **IBM MQ**, messages are communicated between sender and receiver
* Using **JMS**, we will create, send, receive, and read messages between distributed systems. It provides reliable and **asynchronous messaging**, enabling **decoupled communication** between different components
* Unit testing is performed using **Spring Test**
* Performance testing is handled using the widely used standard frameworks such as **JMeter**, **Mocha** and **Jest** for the **bulk load of data**
* Developed the monolithic application and involved in migrating existing **monolithic application into Micro Service** Architecture based **RESTful Service** and deployments were done on **AWS**
* Experience in **Continuous Integration & Continuous Deployment** model for building and deploying spring boot micro services using **Jenkins**
* Used **SAML** for exchanging user information such as logins, authentication state, identifiers, and other relevant attributes in SSO flows
* Migrate/ deploy all application to **Cloud-based development of AWS EC2/ EBS and S3**
* Used **AWS Cloud Watch** to monitor the application and to store the logging information
* **AWS Lambda Serverless** computing is used for AWS application scaling automatically, code & security patch deployment, maintenance and code monitoring and logging with **AWS DynamoDB**
* Wrote various **SQL**, **PL/SQL** queries and **stored procedures** for data retrieval
* Worked on various batch programs that involved UNIX/Linux Shell Scripting and Terraform scripting for our large scale and multi-cloud infrastructures where its used to resolve cross-cloud dependencies
* Terraform is also helped us to code **cloud APIs into declarative configuration files** and also used for building, changing and versioning the infrastructure in **AWS**
* Used **Multithreading** to handle multiple requests from the same user parallel which eventually to improve the performance of the application where we use it as an **asynchronous programming**
* The major advantage of Multithreading we use is fewer resources are required by the threads and generate less overhead
* Worked on the documentation of existing project functionalities and also new projects details and shared the details with the development team
* Built and maintained message configuration & data flows and provided issue analysis in the **Kafka applications** and **data center**
* Implemented some of the functionalities in real time applications where data is constantly flowing in and that is **integrated with Kafka** to stream data into **Cassandra Cluster**
* Migration of **Elastic Search**, **MongoDB** and **Cassandra** from **MLab** to **AWS Atlas**
* Writing and **optimizing Elastic search** queries for data retrieval
* Good understanding and leveraging **Elastic search's Query DSL** (Domain-Specific Language) and implementing **full-text search**, **filtering**, and **aggregations**
* Responsible for designing the architecture of **Kafka-based systems** where involved in selecting appropriate Kafka **topics**, **partitions**, and **replication strategies** to meet the system's requirements
* Developed **Kafka consumer applications** that subscribe to Kafka topics and process the incoming data and implemented **consumer groups**, **handling offsets**, and **managing consumer state** which are key responsibilities
* **Cassandra** is optimized for high write throughput and can handle a large number of write operations in real-time and carefully designed data model to support efficient read operations as well
* Used **Kubernetes** Container to deploy some of our applications for scaling and failover and to orchestrate of our application
* Worked on setting up automated build, test, and deployment pipelines using tools like **Google Cloud Build**, **Jenkins**, or other **CI/CD platforms** that enables you to deliver software updates frequently and reliably
* Worked on **Python scripts** for task automation, data analysis and data visualization
* Worked in **Code review tools for quality code** such as **SonarQube** and **SonarLint**
* Providing **post remediation application support** if there are any issues

**Technologies**: Angular 14, Typescript, Bootstrap, Java Script, Java 8, React.Js, Multithreading, Spring Boot, Micro Services, Apache Open sources, IBM MQ, REST API, IBM streams, Oracle SQL, PostgreSQL, Elastic Search, Cassandra & MongoDB, XML, Microservices, Spring Boot, Kafka, Junit, DBMS, Unix/Linux, Spark, Virtual Machines with Docker cloud environments in Kubernetes Container, SAML, Gradle and AWS

**Company: Infosys/Edgeverve, Chennai, Tamil Nadu, India September, 2020 – January, 2022**

**Role: Senior Java Developer**

**Industry: Banking**

**Product: Finacle**

**Project: Digital Engagement Hub**

* Worked on the **design of the user interface**, using **Bootstrap's components** and **styles** to create **visually consistent** and **responsive layouts**
* Built web application with **Bootstrap** are responsive where they **adapt to different screen sizes and devices**, such as **desktops**, **tablets**, and **smartphones**
* **React.JS** and other Front end technologies are **HTML**, **CSS**, **JSP**, **Javascript** and **Typescript** are used to design the user interfaces
* **Customized** the **Bootstrap's default styles** and **components** to match the specific branding and design requirements of the project and it involved in **overriding default styles** with **custom CSS**
* Worked on Development of a business application using SOA architecture communicating with various services and Defect Fixes in **REST based API execution flows** with automation test cases in Java8
* Creating and consuming **JAX-RS rest services** and **Java 8 code standards** are used
* Hands on experience in **J2EE framework Struts** andused **EJB** application server to inject services
* Consumed and produced Spring-WS based Web services (**JAX-WS**) and **Spring Restful services**
* Involved in design, develop and implementation of the application using **Spring 3.0 and J2EEframework**
* Implemented **Hibernate 4.x** in persistence layer and developed **Data Access Object (DAO)** to handle **Oracle** database operations
* Implemented **Create**, **Read**, **Update**, and **Delete** (**CRUD**) operations for database records using **Hibernate's** **Object-Relational Mapping (ORM)** capabilities and this includes writing **HQL (Hibernate Query Language)** or **Criteria queries**
* Managed **Hibernate sessions** and transactions effectively to ensure proper handling of database connections and resources and also **opening**, **closing**, and **committing** transactions
* Designed and developed **RESTful Micro Services** using **Spring Boot** for the application to seamlessly integrate with supporting sub systems
* Implementing the modules using **Core Java APIs**, **Java collection**, **JPA**, **XML** technologies and integrating the modules
* Using **JNDI**, implemented in the application to look up and locate resources, such as database connections or **JMS** destinations, using a hierarchical naming structure
* Implemented **chat application**, you'd update the chat messages in real-time as new messages arrive using **Angular components** to display **real-time data** or **update the user interface**
* Using **Angular** features like **RxJS** for **reactive programming** and **NgRx** for **state management** wherever necessary
* Created custom workflows, screens and Custom fields for **Jira**
* Used **GIT repository** to push the code and interact with other developers throughout the company
* Used **Jenkins continuous integration** build server to perform QA builds and used **Apache Maven** for the build process
* Used **Camel Test Framework** for testing **Apache Camel code**
* Implementing REST services for **middleware** using Spring-boot
* Developed user interface components using **JSP** and **Spring tag libraries**
* Adopted **Spring Data JPA** to connect the **Oracle** database and process the queries using **PL/SQL**
* Used **Oracle as database** and Involved in the development of **PL/SQL backend implementation** and using SQL created Select, Update and Delete statements
* **Performed root cause analysis** by correlating data from various sources, including application logs, infrastructure metrics, and user experience monitoring which eventually help **in relationships and dependencies** between different components of the application stack, enabling efficient **identification of the underlying causes of performance problems**
* **Implemented lazy loading** for relationships between entities **to minimize the amount of data fetched** from the database until it is explicitly needed
* **Configured and optimized Hibernate's first-level (session-level)** and **second-level (application-level)** caching mechanisms to improve application performance and **reduce database round-trips**
* **Implemented data validation** and **business logic checks** within **Hibernate** entities and services to maintain data **integrity** and **consistency**
* Developed different **AWS services**, including API, **RDS instance**, and **Lambda to build server-less** applications
* infrastructure, integrating with **public cloud providers**, and implementing hybrid cloud solutions
* Responsible for setting up, maintaining, and evolving the **cloud infrastructure of web applications**
* Configured **authentication** and **authorization** mechanisms, **encrypting** data in transit, and setting up **firewalls** to protect your cluster from **unauthorized access** in **Cassandra Cluster to ensure security**
* Worked on **Grafana** tool to **monitor** the **Cassandra** health and setting up **alerts for critical events**
* Setting up data pipelines using tools like **Logstash** or **Beats** to ingest data into **Elastic search**
* Implementing security features like **authentication** and **authorization** using tools like the **Elastic Stack's security plugin**
* Scaling **Elastic search** clusters horizontally and vertically as data and query loads increase
* Integrated **Kafka** with other systems and technologies in the organization's tech stack, such as **databases**, **data lakes**, and **stream processing frameworks**
* Implemented security measures such as **SSL/TLS encryption**, **authentication**, and **authorization** to protect data and access to Kafka clusters
* Involved in **Agile methodology** with respect to the successful development of the project

**Technologies:** Java 8, HTML, CSS, Bootstrap, Angular 10, React.Js, Spring Boot, SOA architecture, Spring Boot, Micro Services, Kafka, Apache Open sources, REST API, Oracle SQL, Elastic Search and Cassandra, Junit, Spring Framework, Hibernate (JPA, Transaction and Validation), Unix/Linux, AWS

**Company: Capgemini Technology Solutions, Chennai, Tamil Nadu, India December, 2016 – August, 2020**

**Role: Java Developer**

**Industry: Banking**

**Client: Synchrony Financial**

**Project: Cell Scrub – Proactive Monitoring and Bulk Terms & Conditions**

* Stock Loan products are maintained in the financial domain and it involves in borrowing, Lending, Loan rates, Transaction fees and automated matching functionalities
* Designed and developed presentation layer using **JSP**, **HTML** and **JavaScript** for client side validation
* Gathered client requirements, analyzing business and technical options and documentation
* Implemented **DAO Objects** to Communicate with **Persistence Layer**
* Worked with **STRUTS MVC Framework**
* Involved mainly in developing the **Enterprise** **Java** **Beans** (**Session** and **Entity** **Beans**), **Servlets** and **JSP**
* Used **Multithreading** **executor** **framework** to process multiple requests as the batch runs as **bulk transactions**
* Used **spring integration** for integrating the application with **Micro Services** using spring integration workflow files.
* Developed the User Interface for **Audit**, **Monetary Destination**, **Non-Monetary Destination** and **Customer modules** using **Struts**, **Hibernate** and **HTML5**
* Integrated **Hibernate** with other technologies and frameworks, such as Spring, to build comprehensive and modular enterprise applications
* **Optimized** **database queries** and interactions by using features such as **batch processing**, **fetching strategies**, and **query tuning**
* **Implemented error handling** and **exception management** strategies for dealing with **database-related exceptions** and **issues**
* Designed and implementation of the **Entity Beans to access database**
* Involved in analysis, design and development of the whole Website
* Involved in design and development of the user interface
* Used **Eclipse** for Java as **IDE**
* Developed cloud-based applications using **Azure** & **GCP** services and technologies. This includes writing code in Java and **JavaScript** to implement application logic, user interfaces, data storage and retrieval, and integration with other systems
* **Implemented** **security measures** and **identity management solutions** in **Azure** applications that includes utilizing **Azure Active Directory** (**AAD**) for **authentication and authorization**, implementing **role-based access control** (**RBAC**), and ensuring data protection through encryption and secure **coding practices**
* Implemented **CI/CD pipelines** and practices to automate the build, testing, and deployment of **Azure** applications which involves using **Azure DevOps**, **GitHub** **Actions**, or other similar tools to enable **continuous integration**, **automated testing**, and deployment to **Azure** **environments**
* Analyzed the software requirements, specification, designing and coding
* Set the **CPU cache size** as the size of data block, which is 32 bytes
* For each query, used **Quick Sort** to sort original data according to the different conditions, and outputted as pages.
* Then used **Two-way merge method** to merge pages and outputted as one data block
* Returned the several **data blocks** rather than single target data for **each SQL query**, even some useless data for this query contained in the data blocks

**Technologies:** Java 8, Multithreading, Spring batch, Hibernate, Spring MVC with Spring Boot and Unix/Linux scripts, Gradle, PL/SQL

**Company: Tata Consultancy Services, Chennai, Tamil Nadu, India February, 2014 – November, 2016**

**Role: Java Developer**

**Client: Continental National American**

**Industry: Insurance**

**Project: Agency Bill Pay(ABP)**

* Involved in **Design and Development of webpages** based on the project requirement
* Analyzed and **developed the Application Module** for **batch-oriented system** with code review
* Responsible and active in the analysis, definition, design, implementation, management, and deployment of full **software development life-cycle** of project using the application server **Web logic**
* Participated in Business Meetings and worked on Design of Multiple components of the application
* Involved in daily **SCRUM meetings to update the accomplishments** and road blocks
* Worked with QA team to validate the test cases whether the **test cases meeting business Requirements**
* Followed **Agile Scrum methodology** that included iterative application development, weekly Sprints and stand-up meetings
* Involved in exposing the application as a **Web Service** (**RESTful**, **JAXB**, **JAX-RPC**, **SOAP**) and configuring to connect to other web services
* Implemented functionalities in **STRUTS 2 framework** using **action controllers** and handled deployments in **Tomcat**
* Performed **unit testing using JUnit** and used **Log4j for logging** and **automatic batch jobs**
* Involved in **peer-to-peer code** reviews and given the review comments for my subordinates
* Handled the issues that came during the **Production time and resolved** them
* Used **SVN** for version control across common source code
* Done the java code **migration** from my **SQL to SQL Server**

**Technologies:** Java, Struts 2, Oracle SQL, Web Services, Junit, HTML, CSS, JSP, SOAP, WSDL, XML, Xpress, Web logic