**Nagarajan Shanmugam**

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**PROFESSIONAL SUMMARY**

* Over 15 years of rich and varied experience as **Java-J2EE Professional** working with **Enterprise Applications** development using JAVA, J2EE, and MVC based frameworks also with more server-side development.
* Extensive working experience with Agile software development (**BDD, TDD, PP, Scrum and Kanban)**
* Extensive Experience on building **Kafka** real-time data processing pipeline and streaming apps**.**
* Extensive Experience on implementing **REST** full web services using **Spring-Boot**, **Dropwizard** and **Play**.
* Extensive experience in development and implementation of ORM frameworks like **Hibernate**.
* Involved in all phases of software development life cycle (**SDLC** such as requirements capture, analysis, design, implementation, test and maintenance phases.
* Proficient in Implementing the **Core Design Patterns and J2EE design patterns**.
* Extensively used various internet technologies like **JavaScript, Angular JS 1/7, Bootstrap, HTML, CSS** and**XML**.
* Experience on developing and managing API proxies in **Apigee** for **Mobile App Support**
* Experience on working with AWS (**Services, Storage, DB, Security, Monitoring and Management**)
* Experience on working with Continuous Integration tool like **Jenkins**, **Go** and Hudson.
* Experience on implementing fully schema based **JSON** validation framework.
* Pleasant experience in **RDBMS** like **Oracle**, **MySQL** and associated SQL Programming Knowledge.
* Provided technical guidance to team of software developers, actively involved in UAT/Production Deployment.

**CORE SKILLS**

**J2SE & J2EE** Java 1.8, JSP, Servlets, JDBC, JMS, SOAP, Web Services, JPA.

**Frameworks**  Struts 1.x/2, Spring (Core, MVC, Web, AOP, IOC, Data Rest, Boot),

MVC, Junit, Mockito, PowerMock, EasyMock, Java Cucumber.

**SOA**  Web service, Spring Boot, SOAP, REST (Dropwizard and Play), WSDL.

**RDBMS**  Oracle 10G, SQL Server, DB2, PostgreSQL.

**NoSQL** Mongo DB, Radis

**Servers & Tools** AWS, Eclipse, IntelliJ, Visual Studio Code, Angular CLI, Ant, Maven, Gradle, Jenkins, Go Cruise Control, TOAD, Okta (SAML), Apache Tomcat, Camel, Kafka Jmeter, Gatlin, Apigee, Grafana, Prometheus. RabbitMQ

**ORM Tools** Hibernate, Top-link.

**Other Skills** Angular JS 1/7,Ajax, Tiles, Java script, DOJO, Bootstrap, JQuery, CSS, HTML, JSTL, EL

**ACADEMIC CREDENTIALS**

* Graduated Bachelor of Engineering from Bharathidasan university-India in 2003.

**PROFESSIONAL EXPERIENCE**

* Publicis Sapient UK (March 2021 – Till date) as a Tech lead – Contract
* Greensill Capital, UK (August 2020 – March 2021) as a Senior Java Developer – Permanent
* Money supermarket (MSM) (June 2018 – Apr 2020) as a Senior Java Developer – Contract
* Bank of America (MBNA) (July 2017 – May 2018) as a Senior Java Developer – Contract
* Money supermarket (MSM) (March 2014 – May 2017) as a Senior Java Developer – Contract
* ACE Insurance (Cognizant) (March 2013 – Sep 2013) as a Senior Java Developer - Contract
* GeoPlace LLP (June 2012 – March 2013) as web lead developer – Permanent
* Ford UK (March 2012 – April 2012) as Senior Java Developer - Contract
* Mphasis an HP Company. (Oct 2007 – June 2011) as Senior Software engineer.
* Capgemini (Kanbay), (Feb 2006 – Sept 2007) as Associate Consultant.

**Client: Publicis Sapient, UK. March 2021 – Till date**

**Position: Tech Lead - Contract**

**Project Title: GPE**

**Skills:** Java 11, Spring (Spring Boot, MVC, Rest API, Security, Spring kafka), Kafka, Micro services, JUnit, Mockito, Hibernate, PostgreSQL, H2, BitBucket, Maven, Agile, TDD, BDD, Wiremock, Swagger, Docker, Jenkins.

**Responsibilities:**

* Involved in setting up a new mobile banking solution (Neo bank) for a UAE based client (ADQ)
* Involved in design and implement number of **Spring boot microservices** for payment creation flow through mobile app.
* Implemented **Kafka** **streaming** applications to process events from fintech clients through web-hooks **Kafka proxies.**
* Closely working with fintech clients like **Napier, Unity & Mambu** to set-up payment flow
* Supporting developers driving best practices and perform code reviews to ensure code quality and standards

followed.

* Actively involved/organized Scrum Meeting, Scrum planning and retrospectives.

**Client: Greensill Capital, UK. August 2020 – March 2021**

**Position: Senior Java Developer - Permanent**

**Project Title: GPE**

**Skills:** Java 8, Spring (Spring Boot, MVC, Rest API, Security, Spring Integration, Spring Cloud), Kafka, Micro services, JUnit, Mockito, Hibernate, PostgreSQL, H2, BitBucket, Maven, Agile, TDD, BDD, Wiremock, Swagger, Docker, AWS (EC2, Lambda, CloudWatch, S3, RDS), JFrog, Grafana, Prometheus, Jenkins.

**Responsibilities:**

* Responsible to develop in micro service architecture, Messaging service integrations and Payment handling services and transformed monolithic to micro services.
* Supporting developers driving best practices and perform code reviews to ensure code quality and standards

followed.

* Implemented **Spring boot microservices** to process the messages into the **Kafka** cluster setup.
* Implemented **Kafka** **producer** **consumer** and **streaming** applications.
* Implemented **Kafka Connector** application that import data from DB to **Kafka**.
* Designed a new platform to facilitate End-2-End automated testing.
* Developed microservices using **AWS Lambda, S3, RDS** and integrated with existing microservices.
* Actively involved/organised Scrum Meeting, Scrum planning and retrospectives.

**Client: Money supermarket, UK. June 2017 – Apr 2020**

**Position: Senior Java Developer - Contract**

**Project Title: MSM Services**

**Skills:** Java 1.8, Spring Boot, Kafka, AWS, Mongo DB, MySQL, Hibernate, Angular JS, Spring WebFlux, Play with Akka, Bootstrap 4, Java Script, HTML, CSS, Gradle, Bitbucket, Cucumber (BDD), Zipkin, Junit, Mokito, PowerMock, Radis, Grafana, Prometheus, NodeJs. RabbitMQ

**Responsibilities:**

* Mainly involved in implement Kafka from scratch to replace the Legacy system.
* Implemented **Spring boot microservices** to process the messages into the **Kafka** cluster setup.
* Implemented **Kafka** **producer** **consumer** and **streaming** applications.
* Implemented **Kafka Sink Connector** application that import data from topic to **RabbitMQ, Redis** and **S3**.
* Implemented **Kafka Source Connector** application that export data from **MongoDB** to topic.
* Implemented to reprocess the failure messages in Kafka using offset id.
* Implemented **Kafka reporting** tool that generate historic data on daily basics.
* Implemented a tool that compare final output from legacy and Kafka application during application dual-running.
* Implemented Internal UI using **Angular** with **Spring-Boot** to retrieve Kafka historic data based on the search criteria that includes pi-chat representation of data on topics.
* Involved in implementing **Reactive** API using Spring **WebFlux**
* Closely worked with Kafka DevOps to set up Kafka cluster setup.
* Worked on Spring Security SAML to add support for Okta (SAML) to Java applications that use the Spring framework.
* Following Agile development by a number of concrete practices such as standup meetings (Scrum/Kanban Board), TDD/BDD, TDD and Continues integration and TDD.
* Involved in implementing **Metric** & analytic dashboards using **Grafana**.
* Involved in implementing Mocking services/Dockers using **NodeJs**

**Client: Bank of America (MBNA), UK. July 2017 – May 2018**

**Position: Senior Java Developer - Contract**

**Project Title: IDCS**

**Skills:** Java 1.6/1.8, Oracle 11i, Spring 3.0, Apache CXF, Angular-1, Bootstrap JS, JQuery, Oracle AQ, IBM MQ, SOAP Service, Restful, JBOSS 5/6.

**Responsibilities:**

* Involved in implementing ushering functionality capable of redirecting service request from old (1.6) to new (1.8) environment.
* Involved in design and implementation of internal UI service to update the server configuration on demand using Angular and Bootstrap JS.
* Involved in implementing Rest full wed services using Spring Boot.
* Transition activities to Lloyds infrastructure

**Client: Money supermarket, UK. March 2014 – May 2017**

**Position: Senior Java Developer - Contract**

**Project Title: MSM Services**

**Skills:** Java 1.8, REST Full (Drop wizard and Play), Mongo DB, SQL Service, Hibernate, Gradle, GitHub, Cucumber (BDD), Junit, Mokito, Wiremock, JMeter, Gatlin, Radis, Sonarqube, Apigee, Grafana, ET, Apache Camel, NodeJs. RabbitMQ

**Responsibilities:**

* Involved in all the activities in the development phases of the application such as Interaction, estimation, design, development, testing and deployment.
* Following Agile development by a number of concrete practices such as standup meetings (Scrum/Kanban Board), TDD/BDD, TDD and Continues integration and TDD.
* Involved in implementing common framework includes JSON Schema validation, error handling and logging to support multiple applications.
* Experience on implementing and working with Micro services.
* Involved in implementing **Metric** & analytic dashboards using **Grafana**.
* Involved in working with **Apigee** for developing and managing API proxies for Mobile App Support.
* Developed Restful API's using **Apigee** platform.
* Responsible for creating products in **Apigee** so that they can be consumed by the consumers.
* Involved in implementing **Extract** **Transform(ET)** Load (ETL) using Apache Camel
* Involved in implementing Email and Mobile Push notifications using Exact target.
* Involved in implementing Mocking services/Dockers using Node.Js
* Involved in working with Gatlin and Jmeter for Regression testing

**Client: ACE Insurance, UK. March 2013 – Sep 2013**

**Position: Senior Java Developer - Contract**

**Project Title: ACE Casualty Portal**

**Skills:** Java 1.5, DOJO 1.7, Java script, REST, JSON, Ajax, Hibernate, IBM RAD7.0, Oracle 9i, Java Cucumber (BDD), Junit, CVS.

**Responsibilities:**

* BDD has been used extensively for software development process with Java Cucumber.
* Involved in all the activities in the development phases of the application such as Interaction, estimation, design, development, testing and deployment.
* Involved in the front-end development using Dojo, Rest, JSON, HTML, XML, XSL, XSLT, JAXB, CSS and Ajax.
* Coordinate with Biz talk team for new/existing biz talk services.
* Involved in defining database-mapping relationships to Java domain objects using Hibernate.
* Involved in implementation of Multi country and multi lingual.
* Involved in Design of OOD (Object Oriented Design) and code implementation.

**Client: GeoPlace LLP, UK. Jun 2012 – March 2013**

**Position: Lead Web Developer - Permanent**

**Project Title: NAG, NSG, NLPG**

**Skills:** Java 1.5, Spring 3, (IOC, MVC, JDBC, ORM, AOP), Struts 2, Hibernate, IBM RAD6.0, Oracle 9i, PostgreSQL, MYSQL, Dojo 1.6, Java Script, JSON, Ajax, Agile-BDD, Java Cucumber, JQuery, Junit, EasyMock, CVS, Unix.

**Responsibilities:**

* BDD has been used extensively for software development process with Java Cucumber.
* Involved in all the activities in the development phases of the application such as Interaction, estimation, design, development, testing and deployment.
* Often have discussion with management to make decision on new program execution.
* Co-ordinate the team to schedule their activities and allocate the task based on their knowledge.
* Involved in infrastructure meeting to submit the new proposal for our coming up new application.
* Involved in the front-end development by JSP, JSTL HTML, XML, XSL, XSLT, JAXB, CSS, JQuery, Dojo, JSon and Ajax.
* Involved in the implementation of spring core frame work and spring web flow.
* Involved in Design of OOD (Object Oriented Design), code implementation and production Deployment in Unix.

**Client: Ford, UK. March 2012 – April 2012**

**Position: Senior Java Developer - Contract**

**Project Title: Engine**

**Skills:** Java 1.5, Struts 1.3, Fatwire 7.6(CMS), Oracle 9i, Ajax, Agile, Junit.

**Responsibilities:**

* Involved in the learning process of Fatwire (CMS) and started creating sample application through Fatwire.
* Walk through the application and development process.
* Have been for KT session with the implementation of the existing application.
* Have been for SCRUM training process.

**Company: Mphasis an HP Company, India Oct 2007 – June 2011**

**Position: Senior Java Developer - Permanent**

**Skills:** Java 1.5, Struts 1.3/2, Spring 2.5 (IOC, Web, MVC, JDBC, ORM), Hibernate, Webservices-REST, JPA, JSF, EJB, JMS, Jasper Reports, IBM RAD6.0, iReport, WebSphere 6.0, IBM-DB2, SQL Server, Oracle 9i, Ajax, Agile-TDD, Java script, JQuery, SVN, Junit. EasyMock, Unix.

**Description:** I was part of offshore development team in India to supporting varies clients from varies countries.

**Clients:**

* Ahold from USA -June 2009 – June 201
* RBS from UK-Aug’ 2008 – May 2009
* Karstadt Quelle (Arcandor Ag) from Germany-Mar' 2008 – Aug’2008
* General Motor from USA – 2007 – March 2008

**Responsibilities:**

* Supporting applications and handling tickets with respect to the SLA rules.
* Involved in all the activities in the development phases of the application such as Interaction, estimation, design, development, testing and deployment.
* Prepared HLE, DLE and Technical design documents for development Process.
* Involved in defining database-mapping relationships to Java domain objects using Hibernate and JPA Annotation.
* Involved in writing service and DAO components using Hibernate and spring.
* Involved in Designed and developed external REST APIs using Apache CXF
* Involved in the front-end development by JSP, JSTL HTML, XML, XSL, XSLT, CSS, JQuery and Ajax in Struts framework.
* Involved in agile software development approach such as daily status meetings and continues integration and TDD.
* Involved in the Test Driven Development implementation and Source Control configuration and TDD,
* Involved in supporting UAT and Production deployments (Unix Box) and preparation of release notes for various releases and deployments

**Company: Capgemini, India Feb’ 2006 – Sept 2007**

**Position: Associate Consultant**

**Skills** Java, Struts 1.4, Servlet, JSP, AJAX, Java Scripts, Hibernate, Spring (Web flow, IOC, ORM, AOP), Tiles, Webservice, XML, XSLT, My-eclipse, JMS, Maven, Agile, CSV.

**Description:** I was part of offshore development team in India to supporting varies clients from varies countries.

**Clients:**

* Lehman from UK-May’ 2007 – Aug' 2007
* Manheim from USA-Feb’ 2006 – April 2007

**Responsibilities:**

* Involved in the design and development of Software solutions development environment.
* Involved in defining data base schema and mapping relationships to Java domain objects using Hibernate.
* Involved in writing service and DAO components using Hibernate and spring.
* Involved in the front-end development by JSP, JSTL HTML, CSS and Ajax in Struts framework.
* Involved in the implementation of spring core framework and Spring web flow.
* Involved in writing web service client using WSDL service
* Involved in agile software development approach such as creating Junit test cases by following TDD approach, participating in daily status meetings, frequent releases, re-factoring the code.

**Company: CMC India Sept' 2004 – July 2005**

**Position: Software Engineer**

**Project Title: Yard Management System**

**Skills:** Java, Struts 1.2, Servlet, JSP, HTML, CSS, Oracle, and Tomcat.

**Clients: NAY (K), Cochin**

**Responsibilities:**

* Design, developing & bug fixing of View Reports and other modules module
* Proposed alternative solution in Provider project for the file download component
* Defect tracking and release management activities.
* Involved in onsite functional, status and defect management calls.