**SIVAPRAKASH NITHYANANDAM** (trysivaprakash@gmail.com)

**SUMMARY:**

* Over 8+ years of professional experience as in designing APIs and building web applications
* More than 5 years of experience in developing Micro Services and Cloud transformation of Web based applications
* Expert in building web-based applications using Pivotal Cloud foundry (PCF), Azure, Spring Boot and React
* Good experience in digital transformation of data to Cloud using Google cloud platform, Google App Engine, Google Cloud SQL and Spring batch
* Experience in writing Batches using Spring batch and java
* Experience in Designing Web Applications using HTML, CSS, JavaScript, jQuery, ReactJS and AngularJS
* Experience in working with different databases like Db2, MySQL, Google data store, Big query and Cloud SQL
* Experience in using Gradle and Maven for building and deploying the application to cloud
* Experience in using Git, SVN as Version Control Systems.
* Experience in authentication systems like PCF’s UAA, Azure AD and Active Directory Federation Services (ADFS)
* Experience in configuring IBM’s API Connect (APIC), Netflix’s Feign Client, Hystrix, Ribbon
* Experience in working Monitoring tools like Splunk, AppDynamics and DynaTrace
* Experience in Test Driven development and Pair programming
* Experience working in Agile and Waterfall SDLC models
* Exposure to Continuous Integration and Continuous deployment using Teamcity, Concourse and Jenkins
* Experience in Multi-Tenancy Applications

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Languages | Java 8, JavaScript |
| Frame works | Spring Boot, React JS |
| Cloud | Pivotal Cloud foundry, Google Cloud Platform and Azure |
| Data Base | IBM dB2, Google Big Query, Google Data store, Google cloud SQL, MySQL |
| Project Management Tools | Pivotal Tracker, JIRA, Rally |
| IDE | IntelliJ IDEA, Eclipse, STS |
| Continuous Integration | Concourse CI-CD, TeamCity and Jenkins |

**EDUCATION:**

* Bachelor of Engineering from Anna University, India

**PROFESSIONAL Experience:**

**Ford Motor Company, India / STG InfoTech**

**December 2019 – Present**

**Full Stack Developer**

Project #1: Capture consumer’s consents and their preferences from various channels and save them for marketing purposes.

* Designed and developed Rest APIs to consume consumer’s consents and preferences information from various touch points
* Configured ADFS system to assist both authentication and authorization
* Setting up IBM’s API Connect tool to proxy all APIs exposed through touch points
* Setting up JMeter for both functional and performance testing
* Used swagger for API documentation
* Ensured security standards via 42Crunch tool and code qualities via SonarQube, FindBugs, PMD and CheckStyle
* Deployed APIs through Jenkins systems
* Production monitoring and alerting for any issues to ensure 100% availability

**Technology and Tools:** Spring boot, Pivotal Cloud Foundry, SQLServer, 42Crunch, ADFS, APIC, Splunk, Dynatrace, JMeter and Rally

**Ford Motor Company, MI, USA / STG**

**July 2018 – Nov 2019**

**Full Stack Developer**

Project #1: Capture consumer’s consents and their preferences from various channels and save them for marketing purposes.

* Designed and developed (TDD) Rest APIs to consume consumer’s consents and preferences information from various touch points
* Configured ADFS system to assist both authentication and authorization
* Setting up IBM’s API Connect tool to proxy all APIs exposed through touch points
* Setting up JMeter for both functional and performance testing
* Used swagger for API documentation
* Ensured security standards via 42Crunch tool and code qualities via SonarQube, FindBugs, PMD and CheckStyle
* Deployed APIs through Jenkins systems
* Production monitoring and alerting for any issues to ensure 100% availability
* Worked in Agile methodology

**Technology and Tools:** Spring boot, Pivotal Cloud Foundry, SQLServer, 42Crunch, ADFS, APIC, Splunk, Dynatrace, JMeter and Rally

Project #2: Protecting, managing and serving consumers information as per company’s policy and user’s preferences.

* Creating RESTful micro services using spring boot on Pivotal Cloud Foundry
* Designed and developed framework to manage interaction between microservices
* Providing various endpoints to frontend applications to manage and serve consumer’s data
* Assisted in Table designs to effectively serve data
* Worked in Agile methodology

**Technology:** Spring boot, Pivotal Cloud Foundry, SQLServer, ADFS, APIC, Splunk, Dynatrace, JMeter and Rally

Project #3: Capturing consumer’s information, preferences and vehicle information from various frontend applications.

* Designed and developed (TDD) Rest APIs to consume consumer’s information, preferences and vehicle information from various frontend applications
* Created a new plug-in async framework to reduce response time
* Created a multi-tenancy based approach to support various regions/tenants
* Configured Azure Active Directory sign on system to implement both authentication and authorization
* Setting up Organization’s internal API Management tool to proxy all APIs exposed through touch points
* Setting up JMeter for functional
* Setting up Gatling for performance testing
* Used swagger for API documentation
* Ensured code qualities via SonarQube, FindBugs, PMD and CheckStyle
* Deployed Microservices to cloud using CICD Pipelines.
* Production monitoring and alerting for any issues to ensure 100% availability
* Used tools like Splunk, Dynatrace for troubleshooting and performance improvement.
* Worked in Agile methodology

**Technology:** Spring boot, Pivotal Cloud Foundry, SQLServer, Azure AD, APIM, Splunk, Dynatrace, JMeter, Gatling, Teamcity, Jenkins and Rally

**Home Depot, GA, USA / Tata Consulting Services (TCS)**

**July 2016 – Jun 2018**

**Full Stack Developer**

Project #1: To estimate order quantities to vendor, business analysts provides various parameters against a sku and a trumping logic will determine final quantity to order.

* Designed and developed (TDD) Rest APIs to consume various inputs from different hierarchy members of an organization
* Designed a logic to trump the winning parameters aligning organizational needs
* Deployed applications into Google’s App Engine to serve touch points through Concourse CI-CD
* Designed and constructed tables in Google’s Cloud SQL
* Configured Google’s Pub-Sub to publish the parameters
* Performance test through Gatling
* Using Pivotal tracker, stories been logged
* Worked in pair programming following Agile extreme methodology
* Used swagger for API documentation.
* Experience in Test Driven development by writing unit testcases using Junit, Mockito and Groovy.

**Technology:** Spring boot, Google App Engine, Pivotal tracker, Google cloud SQL, Splunk, AppDynamics, Gatling, Concourse CI-CD

**Home Depot, India / Tata Consulting Services (TCS)**

**Feb 2012 – Jun 2016**

**Full Stack Developer**

Project #1: Provide an API to billing section of retail system for the functionality of sell, return and cancel the merchandises.

* Creating and updating monolithic applications to serve the functionality of sell, return and cancel
* Production monitoring to ensure right calculation logic applied for refund and owe from customer
* Deployed applications into Tomcat server
* Used tools like Splunk to troubleshoot and performance improvement.
* Worked on migrating monolithic application to Microservices
* Deployed Microservices to cloud using CICD Pipelines.

**Technology:**  JavaEE, Tomcat, HP ALM, DB2, Sonar