

Manibharathi Tamilarasan

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Portfolio: <https://manibharathi34.github.io/portfolio/>

Summary:

- Around 10 years of Strong experience in designing and implementing Enterprise solutions for distributed web applications using **JAVA/J2EE** and UI technologies..
- Experience in developing the application with **Agile methodology, Test-driven development** and Waterfall methodology.
- Experience in design and development of robust and highly scalable cloud native **Microservices** with **REST apis** using **spring boot**.
- Hands on experience and working knowledge in PAAS cloud technology -**Pivotal Cloud foundry**.
- Experience in front-end UI technologies like **Angular, Javascript, jQuery, Sass, Bootstrap, Nodejs, JSON, HTML5, CSS3**.
- Experience in developing web applications by using Spring frameworks like **Spring IOC, Spring AOP, Spring MVC and Spring Boot**.
- Working knowledge of Cloud computing services like **AWS, GCP**.
- Good understanding of docker containers and **Kubernetes**.
- Hands on experience in build and deployment tools like **Maven, Jenkins, BMC**.
- Hands on experience in version control systems like **Git, SVN and RTC**.
- Familiar with Databases like **Oracle and MongoDB**.
- Experience working with **IBM Websphere application server, Tomcat and NGINX**

Technical Skills:

| | |
|-------------------------|---|
| Programming Languages | Java/J2EE, SQL |
| Web Technologies | Angular, Javascript, Bootstrap, Ajax, HTML5, SASS, JQuery, Nodejs, JSON |
| Frameworks | Spring(Boot, Data, Cloud, Security, AOP). Junit, Struts2 |
| J2EE Technologies | JSP, Servlets, JDBC |
| Web Services | RESTful, SOAP |
| Cloud Computing | PCF, Openshift, AWS |
| Databases | Oracle, MongoDB |
| Web/Application Servers | NGINX, IBM Websphere, Apache Tomcat |

| | |
|------------------------|---|
| Version Control | Git, BitBucket, SVN, RTC |
| Tools | Splunk, Eclipse, STS, Visual Studio, JIRA, SwaggerUI, SoapUI, Postman |
| SDLC | Agile-Scrum, Waterfall |

Professional Experience

NOV 2021 - PRESENT

TCS, Irving, TX

Role: Assistant Consultant

Technologies and Tools learned/used:

Spring Boot Microservices, Spring Cloud, Angular, HTML5, Javascript, Jenkins, Bitbucket, JIRA, Pivotal Cloud Foundry, NGINX, Splunk.

Responsibilities:

- Participate in Agile scrum, analyze requirement, design and develop code for given requirement.
- Participate in daily scrum meetings, review issues assigned and provide solutions for them. Assisting the team and reviewing their code.
- Architecture, design and development of cloud native Microservices .
- UI component development using Angular.
- Develop REST apis using Java 8 and spring boot.
- Deploy microservices to PCF using Maven, Jenkins and RLM.
- Wrote Junit test cases for new code developed.
- Debugging the issues reported in UAT and providing fixes.
- Deploy new code to production environment following CICD process.
- Involved in code review process.
- Tracking issues reported in production, debugging the issues using splunk log monitoring tools to identify root cause and provide fixes for the issues reported.
- Developed Splunk Dashboard to health check the application in production.
- Performance Tuning of new code developed based on performance test results.

MAR 2021 - NOV 2021

TCS, Chennai, India

Role: Assistant Consultant

Technologies and Tools learned/used:

Microservices, Spring Boot, Spring Cloud, AWS, Docker, Kubernetes, Angular, TypeScript, Jenkins, Bitbucket, JIRA, Pivotal Cloud Foundry, Splunk, ServiceNow.

Responsibilities:

- Participate in daily scrum meetings, review issues assigned and provide solutions for

them. Assisting the team and reviewing their code.

- Architecture, design and development of cloud native Microservices .
- Consume APIs published by other teams from Java code and process the data received from api.
- Publish swagger API contracts for new APIs developed to external teams so that they can consume APIs using Swagger as reference.
- Publish APIs to IBM APIM Connect gateway for consuming APIs from the internet.
- Design and development of security features for REST APIs which are exposed to the Internet.
- Debug and provide solutions to security issues raised in the VA Assessment.
- Developing reusable angular components and Services.
- Deploy microservices to PCF using Maven, Jenkins and RLM.
- Debugging the issues reported in UAT and providing fixes.
- Deploy new code to production environment following CICD process.
- Debugging the production issues reported by writing Splunk queries to fetch user and session specific logs.

MAR 2017 - MAR 2021

TCS, Irving, TX

Role: Assistant Consultant

Technologies and Tools learned/used:

Spring Boot Microservices, Spring Cloud, Angular, HTML5, Javascript, Maven, SASS, Pivotal Cloud Foundry, NGINX, Splunk.

Responsibilities:

- Migrate application code from old tech stack to new Microservices based tech stack.
- Architecture and Design of new Microservices techstack.
- Develop new microservices and Unit test new code using Junit.
- Implement Fault tolerance mechanism for backend calls using Hystrix.
- Configure NGINX routing configurations which act as a reverse proxy for traffic from the internet.
- Configure a logging framework which adds loggers with details required for each request to debug the issues reported.
- Configure Zuul routing for routing requests to different microservices inside PCF.
- Configure Eureka for the service registry which will be used by microservices for invoking APIs in other microservices inside PCF.
- Configure Spring cloud config service which microservices in PCF will use to read configurations from a GIT repository.
- Implement the CICD process using Jenkins and RLM for deploying applications to different testing and production environments.
- Develop an in-house angular build which combines multiple components developed by different teams into a single application build and deploy it to the cloud.

- Develop angular build scripts which build angular code with values specific to test and production environments and deploy code to specific environments.
- Developing microservices which connect to Oracle DB and run Stored procedures using Spring data.
- Implement security features for new APIs developed

MAY 2015 - FEB 2017

TCS, Chennai, India

IT Analyst

Technologies and Tools learned/used:

Spring Web-Flow, Java,HTML5, Bootstrap CSS, Backbonejs, JSON, JQuery, RTC, IBM Websphere Appserver.

Responsibilities:

- Design and development of Credit card servicing application in responsive web design model which delivers feature rich user experience based on device user accessing the application.
- Analysis of requirements by participating in function requirement calls.
- Prepare HLD and DLD documents for given functional requirements.
- Developed applications as per Spring MVC architecture and was involved in development of all three tiers.
- Develop flows using a spring-web flow framework and implement Spring IOC using spring xml configurations.
- Develop responsive user interface pages using HTML5 and Bootstrap CSS which will render UI based on device user viewing the application.
- Integrated user interface with server side using JQuery and javascript Ajax calls.
- Build applications using Maven and deploy EAR to the IBM Websphere application server.
- Involved in integration of different modules and integration testing.
- Test automation using Selenium.
- Involved in production implementation and support.

MAY 2012- APR 2015

TCS, Chennai, India

Systems Engineer

Technologies and Tools learned/used:

Java, Servlets, JSP, Spring MVC, Spring Web-Flow, Struts2, Javascript,Ajax, Clearcase, IBM Websphere Appserver.

Responsibilities:

- Design and development of Credit card servicing application in responsive web design model which delivers feature rich user experience based on device user accessing the application.
- Analysis of requirements by participating in function requirement calls.
- Prepare HLD and DLD documents for given functional requirements.

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- Test automation using Selenium.
- Involved in production implementation and support.

DEC 2011- APR 2012

TCS, Chennai, India

Systems Engineer Trainee

Technologies and Tools learned/used:

Java, Servlets, JSP, Tomcat, SQL, SVN, Eclipse.

Responsibilities:

- Learn software development methodologies, team building, customer relationships, business and email etiquettes.
- Design, Develop, deploy, test and maintain web applications.

Education

Anna University, Chennai — B.E

AUG 2007 - APR 2011

Bachelor of Engineering in Electrical and Electronics.

Awards

AWS Certified Developer Associate.

[AWS certificate](#)

Oracle Certified Java developer.

[Java certificate](#)