

Murugan Nagarajan  
Infosys Limited, Chennai  
Technology Lead, B.E.  
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#### Contact

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#### PROFILE SUMMARY

- Team Leader with full stack hands on development experience of **12+** years in IT industry
- Daily work activity involves design and development of best working proof of concepts based on requirements, review, merges, deployments, and release of new features.
- Proficient work experience in Angular, Java, Spring, MySQL, MongoDB and basic knowledge of Python, R & Blockchain.
- Experience of working in multiple domains like Airline Travels, Insurance and Hospitality Services.
- Quick grasper with urge to learn new things and put forth them in use and aspiring to be a Tech Architect
- Worked in all stage of SDLC in both Waterfall and Agile development methodologies.
- Strong understanding of the Micro Services, OOP Concepts & J2EE Design Patterns.
- Increase organization effectiveness by identifying opportunities to leverage solutions to other engagements.
- Team player with strong programming and implementation skills possessing good communication and interpersonal skills.

#### SKILLSET

<b>PROGRAMMING LANG</b>	: JAVA, PYTHON, R
<b>DATABASE</b>	: MySQL, DB2, MONGODB, POSTGRES, REDIS
<b>WEB TECHNOLOGIES</b>	: ANGULAR, HTML5, CSS3, JSP, JQUERY, BOOTSTRAP, REDUX
<b>TESTING FRAMEWORKS</b>	: Junit, Mockito, TestNG
<b>SERVER TECHNOLOGIES</b>	: TOMCAT, JBOSS, DOCKER, OPENSIFT, NODEJS, AWS
<b>IDE/TOOLS</b>	: ECLIPSE, INTELLIJ, VISUAL STUDIO, RStudio, JIRA
<b>CERTIFICATIONS</b>	: MS-SQL Developer, AHIP, QTP, MONGO DB Developer
<b>FRAMEWORK</b>	: SPRING, HIBERNATE, MICROSERVICE
<b>DOMAIN KNOWLEDGE</b>	: INSUARANCE, HOSPITALITY, AIRLINE OPERATIONS
<b>DEVELOPMENT METHODOLGY</b>	: AGILE SCRUM, WATERFALL SDLC MODEL
<b>OPERATING SYSTEM</b>	: WINDOWS, UBUNTU
<b>VERSION CONTROL</b>	: SVN, GIT

## AWARDS & CERTIFICATES

### #Certification

Postgraduate Program – AIML @ Great Lakes Institute of Management  
Microsoft Certified - SQL Server, DB Developer  
AHIP Certified - Fundamentals of Health Insurance  
QSIT Certified - Manual & Automation Testing

### #Certificate of Appreciation

Infosys - Most Valuable Player Awards & Best Team Certificate.  
CMMI Participation Award - for Significant Contribution of CMMI Assessment

### #Certificate of Completion

M101P, M101J, M101JS - MongoDB University  
Blockchain A-Z, R Programming A-Z - SDS Team  
Master the OWASP Top 10 – LinkedIn Learning

## WORK EXPERIENCE

### PROJECT DETAILS: 1

<b>PROJECT TITLE</b>	<b>: DDNS, CONTENT MANAGEMENT &amp; ENGINES.</b>
<b>DESIGNATION</b>	: Technology Analyst.
<b>CLIENT</b>	: Airline Tariff Publishing Company ( <b>ATPCO</b> )
<b>DOMAIN</b>	: Airline Reservations.
<b>TECHNOLOGY</b>	: ANGULAR, JAVA, DOCKER ,AGILE DEVELOPMENT.
<b>TEAM SIZE</b>	: 5 Offshore + 2 Onsite (DDS - Offline Module)
<b>DURATION</b>	: 01 <sup>st</sup> Dec 2015 to Till Date
<b>RESPONISIBILITIES</b>	: 1. Team Lead to co-ordinate with onsite and assign tasks to offshore team. 2. Co-ordinate with QM & Business Team to plan and prioritize the Defects/Enhancements on a weekly basis. 3. Part of Application Deployment team to plan & schedule the defects/enhancements which needs to be patched/released. 4. Providing KT for any new Team Members joined in ATPCO account.

### Project Description:

This is a Technology Transformation project where the existing Legacy system is transformed into a J2EE application. The objective of this project is to create an online system which can package the Airline Fare and Tariff related Data (Rules/Fares/Footnotes) and triggers an offline process. The offline system will process millions of Airline fare information and send it out to the subscribers and the downstream systems like GFS, GDS etc.

- Migration of existing DDnS Systems as API's to AWS Cloud with CICD pipeline.
- Implementation of **jProfiler** to analyze and improve the performance of the offline system.
- Development of offline application done using **Lucene search library** and **Redis Cache** in the backend considering the performance of the application instead of using a heavy DB2 Load.
- Documentation of **IAD & Design Change** document for any new enhancement proposed by Business team before implementation for user sign off.
- Used Design Patterns namely **Factory**, **Singleton** and **Observer** patterns for the development of offline jobs executed in DDS-GFS system.
- Automation of GFS Testing using **jUnit & jMock** for those test cases provided by QM Team.
- Responsible for configuring and **deploying** the changes in the lower environment **servers** (QTST/HTST) used by QM Team.
- Developed efficient code using core java components **Collections**, **Exception Handling** and **Multithreading** specifically as the offline job are deployed in multiple containers which is handled by the Batch Manager.

## PROJECT DETAILS: 2

<b>PROJECT TITLE</b>	<b>: Bristow – Flight Operations System</b>
<b>DESIGNATION</b>	: Technology Analyst.
<b>CLIENT</b>	: Bristow
<b>DOMAIN</b>	: Aircraft Services.
<b>TECHNOLOGY</b>	: JAVA, jQuery, JSP, CSS. (Spring & Hibernate)
<b>TEAM SIZE</b>	: 40+
<b>DURATION</b>	: 01 <sup>st</sup> Dec 2012 – 30 <sup>th</sup> Nov 2015
<b>RESPONISIBILITIES</b>	: 1. Lead role & Onsite Coordinator. 2. UI and jQuery component designer. 3. Version/Configuration Controller. 4. DB Administrator of Production system. 5. Application Deployment Team.

**Project Description:** Designed and developed a web application for Bristow Group Inc. The application has several modules like scheduling, operations, maintenance, contract, crew training, admin etc. Designed and developed code for operations, admin and contract for the System. This project is currently in Production and we are taking up the enhancements and defects if any.

- Developed and maintained application using open source technologies like **Hibernate ORM and Spring Framework**
- Created **Maven** build file to produce war files
- Coded and implemented the application interface using **Java Spring** integration with **JSP**
- Reviewing code developed for each capability and suggesting review comments to improve overall performance of the application
- Used **JSP layout for View of MVC. JavaScript, HTML** also used for front end interactivity
- Developed efficient code using core java components **Generics, Collections, Inheritance and Exception Handling** for web services java beans
- Developed stored procedure for data migration for different enhancements
- Used **SQL statements** to retrieve and alter data from database
- Involved in defining **Testing** and preparing **Functional Test Cases**
- Used **Hibernate persistence framework** on the backend over MySQL database
- Responsible for configuring and deploying the developed applications into production server.

## PROJECT DETAILS: 3

<b>PROJECT TITLE</b>	<b>: Harrah's – Reservation System</b>
<b>DESIGNATION</b>	: Senior System Engineer.
<b>CLIENT</b>	: Caesar's Casino.
<b>DOMAIN</b>	: Hospitality.
<b>TECHNOLOGY</b>	: JAVA, jQuery, HTML, CSS, AGILE DEVELOPMENT.
<b>TEAM SIZE</b>	: 4 Offshore (Infosys Development Team) + 12 Onsite (Client UI Team)
<b>DURATION</b>	: 01 <sup>st</sup> Dec 2010 to 31 <sup>st</sup> Dec 2012
<b>RESPONISIBILITIES</b>	: 1. IAD creation for new enhancements required in the system. 2. Defect Fixing and Maintenance of issues raised by business. 3. DP Anchor of the offshore team. 4. UAT of the items fixed/done by both Offshore and Onshore team. 5. Quarterly Metric report submission to Audit Team.

### Project Description:

Development and maintenance of Harrah's Reservation Management application. The application includes an Admin console used for Promotions, Packages and Offers management and a Web module for booking/reservation and Rewards Management system. Designed and developed code for the enhancements

required in these systems. This reservation system is used as a central application to make reservations across the different casinos/hotels owned by Caesars.

- Development of web based application using the open source technologies like **Struts** and **Hibernate**.
- Used **jQuery, JavaScript, HTML & CSS** for development of front end interactivity of the application.
- Deployment of changes for planned releases in IT and UAT **WebSphere servers** for sanity testing to be done by IVS Team.
- **Review the UI Changes** done by Onsite (Client UI Team) before integrating it with the code fixes done by Infosys Development Team.

#### PROJECT DETAILS: 4

**PROJECT TITLE** : **Over-Payment Tracking System - OPT**  
**DESIGNATION** : System Engineer.  
**CLIENT** : Aetna.  
**DOMAIN** : Health Insurance.  
**TECHNOLOGY** : JAVA, JavaScript, EXT JS, HTML, CSS. (Spring Framework)  
**TEAM SIZE** : 15+  
**DURATION** : 01<sup>st</sup> Nov 2009 to 30<sup>th</sup> Sep 2010  
**RESPONISIBILITIES** : 1. Requirement Analysis and Prototype Design.  
 2. Front End UI Designer using HTML & CSS.  
 3. Development of common JS functionalities to be used in the appln...  
 4. EER designing based on the HLD provided by business.

#### Project Description:

Overpayment Tracking system abbreviated as OPT is a web based application being developed to keep track of health insurance claims which are being overpaid in excess by Aetna and re-collect it back from the respective insured person. This system is being developed as an integration system, with the existing claims system to request a refund on the overpaid claim amount from the insured person/client.

- Development of web based application using **Spring** Framework.
- Used **extJS, JavaScript, HTML & CSS** for development of front end interactivity of the application.
- Documentation of **DLD document** with the designed prototypes for users sign off.
- Conversion of **EER design** to **Java Model** classes once the design is validated by the Architect Team.

#### EDUCATION

2002	St. Joseph of Cluny Matric Hr. Sec. School	84%
2004	St. Joseph of Cluny Matric Hr. Sec. School	82%
2008	M.Kumarasamy College of Engineering	78%

#### PERSONAL DETAILS


**Date of Birth** : 22nd March 1987  
**Marital Status** : Married  
**Passport #** : R5476943  
**Languages** : English, Tamil.  
**Interests** : Movies, Games & Reading.  
**Strengths** : Perfectionist, Fast Learner, Good Communication Skill.

**Address**

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Place: Chennai, Tamilnadu  
Date: 1<sup>st</sup> October 2021

  
Murugan Nagarajan