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| **Durga Navaneethan** | **E-mail: durga.navanee19@gmail.com**  **Mobile:+919739375424** |

Having close to 13 years of extensive experience as architect in the Software Industry, Maintance, Continuous Improvement and Automation using latest at tools and techniques. Having in-depth knowledge of Software Development using Agile/Scrum, Application Lifecycle Management, DevOps, Continuous Integration and Delivery, Configuration Management, Cloud Migration, Containerization, Release Management and Team Management. Performed various responsibilities in the current organization.

**Employment Experience**

* Enable Continuous Integration, Continuous Delivery and Infrastructure-as-code methodologies using Jenkins, Artifactory and other infrastructure toolsets.
* Experienced in Microsoft Azure DevOps .
* Provide extensive CI/CD training to Asset teams on the DevOps toolsets including Git, Jenkins, Artifactory, Jira and agile processes.
* Experienced in public cloud service providers: Amazon Web Services, Microsoft Azure.
* Experienced in automating software build, deployment and server configuration management   
  using tools such as Puppet, Ansible, Jenkins, Git & Terraform
* Ability to perform various operations on AWS platform, products and services.
* Extensive AWS experience in AWS across multiple modules including computation EC2, storage S3, networking, code and build/deploy pipelines, cloud resources, security and identity systems.
* Proficient in container technology using ``Docker'' to enable system runs across a wide variety of platforms and Developing Docker images to support Development and Testing Teams and their pipelines distributed by Jenkins
* Extensively worked on Jenkins tool to provide Continuous Integration process and Infrastructure Automation & Configuration management.
* Support the Architecture and Development teams to refine the continuous build and integration processes and ensure that these are consistent across systems
* Work with development teams to understand their requirements and implement CI/CD DevOps capability in team.
* Implemented automation using **JAVA**,**Ruby, Cucumber,Maven,springboot** **and Used python to develop Automation framework to Validate Restful Web Services**
* Sound knowledge on Object Oriented Programming (OOP) concept. Extensively used Java and Ruby for test case automation. Experience in implementing TDD and BDD.
* Extensive working experience on all phases of Software Development Life Cycle (SDLC), its methodologies such as Agile, SCRUM and Waterfall Model.
* Automation for API’s using Java and Ruby-cucumber

# *Devops Skills*

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| Test Driven DevOps Approach | Technical Debt Reduction |
| Continuous Integration | Containerization Using Docker |
| Continuous Delivery | Cloud Migration using AWS |
| Continuous Deployment | Micro Services |
| Continuous Inspection | Continuous Monitoring |

# *Technical Skills*

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| ***Area of Expertise*** | |
| Languages | Perl, Python, Ruby,Java and cucumber |
| Version Tools | Git, Gitlab, Github, |
| CI Tools | Jenkins |
| OS | Windows, Linux, Ubantu, Solaris, RHEL, Mac OS X |
| Build Tools | Maven, Ant, Gmake, makefile, MSBuild, Gradle(F) |
| Scripting | Perl, Terraform, CloudFormation, Bash Scripting, Ruby Fundamental(F) |
| Config Management | Terraform |
| Deployment Tools | Tomcat |
| Cloud Platforms | AWS & Azure |
| Containers Platforms | Docker |
| Package Repository | Nexus, Artifactory & Nuget |
| Montoring | Elastic Search, LogStash, Kibana, Nagios, NewRelic, |
| Databases | MySQL 5, Oracle 9i, PL/SQL |
| Coverage - Analysis | SonarQube,PMD, Checkstyle |
| CMS/other Tools | Jira, BugZilla |

**Project ->1: Abbvie**

**Company : Cognizant 04/29/2019 – Till Date**

* Working as a cloud architect
* Working on the Azure Devops and implementing the same in large scale using terraform
* Create a well-informed cloud strategy and manage the adaption process.
* Regularly evaluate cloud applications, hardware, and software.
* Develop and organize cloud systems.
* Work closely with IT security to monitor the company's cloud privacy.
* Respond to technical issues in a professional and timely manner.
* Offer guidance in infrastructure movement techniques including bulk application transfers into the cloud.
* Identify the top cloud architecture solutions to successfully meet the strategic needs of the company.
* Working on the Azure Devops and implementing the same in large scale
* Strong experience in cloud-based delivery
* Solid understanding of key operating systems (Linux, Windows)
* Good overall knowledge on cloud native and third party cloud related security solutions
* Managing the production of the required deliverables
* [Planning](https://www.finance-ni.gov.uk/articles/programme-and-project-planning) and monitoring the Big Data projects
* Adopting any delegation and use of project assurance roles within agreed reporting structures
* Preparing and maintaining [project, stage and exception plans](https://www.finance-ni.gov.uk/publications/templates-programmes-or-projects) as required
* Managing project [risks](https://www.finance-ni.gov.uk/articles/programme-and-project-risk-management), including the development of contingency plans
* Monitoring overall progress and use of resources, initiating corrective action where necessary

**Project 🡪2:-CAPTIAL ONE (UK) (01/05/2015 – 04/18/2019-RAPID AND REPEATABLE PIPELINE)**

**Domain: BANKING AND FINANCE**

**Company : Wipro**

* Worked as a cloud architect
* Involved in development of cloud formation template using terraform
* Automated deployment of all resources related to my work as the Lead Python Developer
* Designing, implementing and supporting fully automated Continuous Integration and Continuous Delivery processes.
* Creation of Rapid and Repeatable Devops Pipeline on cloud using various open source tools and services. Building cloud agnostic implementation(primarily targeting AWS and Azure)
* Creating fully automated CI build and deployment infrastructure and processes for multiple projects using jenkins
* Creation of Entire infrastructure on multiple cloud providers through terraform script.
* Customization of terraform script to support Multiple Cloud providers [Azure, AWS].
* Created fully automated CI build and deployment infrastructure
* Implemented Re-usablepipeline implementation across different application types
* Worked on Docker and Dockerisation of different tools such as Jenkins,Tomcat, GitBucket and Sonarqube
* Conceptualized, Designed; developed completeDevOps solution using open source technologies.
* Developed scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Terraform
* Strong working knowledge of Perl or shell scripts, Maven and Ant and Detailed knowledge of the Unix/Linux operating system and tools
* Proficient in developing Continuous Integration/ Delivery pipelines
* Experience with automation/ integration tools like Jenkins

**Project -3:- HP-NSP- (TEXES, US) 🡪 27/08/2014 - 01/04/2015**

**Domain: STORAGE**

**Description and Roles & Responsabilités:**

This automation testing project includes Network adapters testing in Virtual Connect (VC) environment including Blade &Rack server on different 32Bit, 64Bit Operating System flavors e.g. Red Hat and SUSE Linux, VMware and windows . The automation scripts development need to be completed in the shortest possible duration. Offshore team to develop this automation framework is phased manner covering a set of Software Functional Test cases. Drop 1 covering basic test functionality against all Smart Utility component of firmware & driver, Features Testing (WOL, Teaming, Jumbo frames etc.,) on Network adapters and enclosures. Drop2, Drop3 and Drop3 covers Software Functional test cases covering industry standards like Network Controller Sideband Interface (NC-SI), Single Root I/O Virtualization (SR-IOV), Virtual Machine Queue (VMQ), Pre-Boot execution Environment (PXE) and Teaming.

* Experienced in automation for the network adaptor firmware development using PERL script and PYTHON script.
* At this level individual completely owns Test Execution for the assigned module / product area, and Responsible for execution of Manual and Automated test cases.
* Responsible for Test Execution, Test case development (automated/manual), modification NS / enhancements, test case review, end to end support for simple applications and for reporting bugs and test bed issues.
* At this level individual monitors and escalates risks to lead / PM, checks for schedule adherence to all milestones and assists the lead / Test Manager in preparing final test report.
* Prepare traceability matrix. In addition, is capable to analyze test requirement and product specifications, analyze test tools and develop test plan.
* Worked on Testing the NIC Cards on both Gen8/Gen9 UEFI Servers.
* Responsible for Analyzing and checking the feasibility of the manual test cases for Automation.
* Maintain, manage, enhance builds and releases to various environments, such as development, QA, pre-production and production.

**Project -4:- LSI (Bangalore,India)🡪 Feb 2012 – Mar 2016**

**Domain: STORAGE**

**Description and Roles & Responsabilités:**

Industry analysts predict that Storage will grow 35% per year for the next several years and network traffic will grow by 33%. Our Client is uniquely positioned to address this raising flood of data. We design semiconductors and software th at accelerate storage and networking in data centers, mobile networks and client computing. Our technology is the intelligence critical to enhanced application performance, and is applied in solutions created in collaboration with our partners. All major server and storage OEMs use our client storage technology.

* Worked on Windows 8, Windows 2012 ,Rethat and suselinux OS and Worked on fujistu,Intel and IBM servers.
* Experience in Test Execution, Identifying Test Estimates, and Test Setup preparation, Bug Tracking etc.
* Experience in CLI which is Command line interface.
* Worked on media error injection testing and Experience on OP-ROM testing.
* Actively involved in test station set up.
* Active participation in Performing over all Functionality and feature testing of RAID Controller using the Black Box Methodology.
* Actively involved with the development team in reproduction of the issue and Bug Fixes.
* Worked on virtualisation concepts i.e XEN and KVM.
* Effective contribution towards regression and functional verificat ion testing with higher productivity which was appreciated by the client.
* Proven track record of success and excellence in working with enterprise class large scale applications in production environments

**Project -5:- (ARISTOS-DEV) - May 2010 – Jan 2012**

**Domain: STORAGE**

**Description and Roles & Responsabilités:**

The project involves performing Software Quality Assurance of the next generation RAID processors. Our client is the industry leader in RAID Storage Processor Technology. Their highly integrated, purpose-built storage processors greatly simplify networked storage hardware design while providing their OEM customers the framework for preserving their management software infrastructure. The result is a cost effective, feature rich storage system solution with uncompromised performance.

* Involved in Test Estimates, and Test Setup preparation, Bug Tracking etc and Actively involved in test station set up and test lab maintenance.
* Actively involved in test station set up and test lab maintenance.
* Performing overall Functionality and feature testing of RAID Controller using the Black Box Methodology and actively involved with the development team in reproduction of the issue and Bug Fixes.
* Effective contribution towards regression and functional verification testing with higher productivity which was appreciated by the client.
* Responsible for assigning daily tasks, coordinated the tasks assigned to entire team and test report generation for the clients.
* Experienced in collecting metrics - Test Case efficiency, Test Cycle Productivity, Coverage for the involved modules.
* Introduced LEAN in our project, hence a total of 8.30 hrs of manual effort has been saved.

**Project -6:- (WEBEX CONNECT)- Oct 2007 – Apr 2010**

**Domain: STORAGE**

**Description and Roles & Responsabilités:**

These widgets are developed on the latest Web 2.0 technologies. The widgets are developed using Java servlets. The front end used is a webex client where all the widgets developed are deployed. Widgets are coded using proprietory mashkit builder from webex and the backend used is MySQL server

* Contributed significantly in debugging issues on Regression runs which has around 900 Test Cases.
* Performed regression, integration, platform and performance testing to certify the stability and usability of software systems
* Involved in functional testing of Courseware Widgets, Defect tracking, weekly test status updates & regression testing..
* Reviewed Business Requirement Documents and the Technical Specification.
* Developed test plans, test cases based on functional specifications and design documents.
* Maintained requirements and created Traceability between Requirements and Test Cases.
* Validated the data by using SQL queries extensively.

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| **Education and Qualification** | | |
| 2011 | MS (Mater of Software) | BITS - Pilani |
| 2007 | BCA (Bachelor of Computer Application) | A.V.C. College, Mayiladuthurai |

**Personal Profile**

Date of Birth : 01-09-1986

Gender : Female

Marital Status : Married

Nationality : Indian

Languages Known : Tamil, English and Kannada.

**Declaration:**

I hereby declare that the above-mentioned details are true and best of my knowledge.

Date: DURGA NAVANEETHAN

Place:Chennai