## **RESUME**

**PALANI MURUGAN S**

**Email:** [**Murgan0522@gmail.com**](mailto:Murgan0522@gmail.com) **DOB: 10 Feb 1994**

**Mobile:** +91-9739703886 **Address:** C.V Raman Nagar, Bangalore

**Test Environment**: Deloitte

**Test Duration**: 5+ Years

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| **Experience Summary:** |

* 5+ years of experience in Performance testing and engineering, Nonfunctional testing - Load, stress and endurance testing.
* Working as **Senior Performance Engineer with Deloitte** and worked as **Test Engineer in Dell**.
* **Worked on cloud platform AWS (Amazon Web services) and Azure.**
* Created performance test plan, Workload model, Traversal flow documents, Test scripts, scenarios, Test Summary report and completion report. Created Various suitable performance Scenarios for the application to load test
* Well-Versed in Scripting **in Loadrunner, Jmeter, and Performance monitoring using Perfmon, Cloudload, AWS Cloudwatch and Azure Monitors**.
* Experience in **DevOps activity like, CI/CT, Pre-Prod environment** **creation** and alert maintains on performance issues.
* **Experience in script enhancement using Vuser/Vugen and JMeter by adding Correlation, parameters, condition controls, and validation functions.**
* **Performed API testing with XML data and SOAP protocols in Non-UI Web services testing.**
* Having knowledge in preparing test plan and resource estimation plan.
* **Developed scripts** for Web Services Protocol through SOAP UI Requests using Load Runner.
* Workflow management using **JIRA / VSTS for backlog** and issue management.
* Experience in load testing **Micro-Service scenarios** and monitored using Azure Monitors/Insights.
* Hands on experience with performance testing and monitoring AWS, Azure, Docker Container, Kubernetes services and monitored **MongoDB using ops manger.**
* Experienced in running Test from **Multiple Geographic Locations using cloud platform**, BlazeMeter and storm-runner.
* Experienced in setting up the limit ranges **for CPU and Memory on Autoscaling of new servers when it reaches the threshold limit.**
* **Experienced in testing multi-container application and Monitored Kubernetes cluster performance using Azure Monitor/App-insights.**
* **Assisted Developers & system architects with identifying system bottlenecks & capacity issues, along with identifying methods for increasing system capacity.**
* **Worked on Banking, Telecom, E-commerce, Cards and Payments Domain.**

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| **Profile Summary – Test Engineer in Dell** |

* Good hands on experience in **Web (HTTP, HTML), SAP GUI, Web Service, AJAX and SOAP Protocols**.
* Experienced in **API testing using XML and SOAP protocols and validated the payload using Postman**
* Experienced in preparing final summery report which says about the application stability.
* Identified performance bottlenecks and assisted Developers & architects for the root cause and resolved the issues.
* Hands on experience on
  + Scripting using C, JavaScript and Java
  + SQL database and Analyzing Mongo DB issues using ops manager and app insights
* Worked on Multiple NFT tools at Dell, LoadRunner, JMeter, Neolaod and Application Performance monitoring tools
* Efficient in communicating with clients and resolving critical issues.

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| **Educational Qualification:** |

* **MCA,** Annamalai University
* **BCA** [Computer Science], SJR College ,Bangalore
* **PUC** [ Computer Science], KNE College ,Bangalore

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| **Technical Skills:** |

* Web and Scripting Technologies: HTTP, HTML, SOAP and SAP protocol.
* Application Performance Monitoring Tools: Perfmon, Sitescope, Cloud Load, AWS Cloud Watch, Azure Monitors, Dynatrace oneagent, Mongo Ops Manger.
* Programming Languages: C, java and MySQL
* Performance Testing Tools: HP LoadRunner, Jmeter, Blazemeter, Cloudload and Stormrunner.
* Log analysis Tools: Splunk and Azure insights
* Others: Fiddler, Wireshark, Badboy

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| **Trainings Underwent:** |

* Trained in SQL, Java and C when joined in Dell as fresher.
* Underwent Performance Testing [LoadRunner, Jmeter] training.
* Cloud Load, AWS and Microsoft Azure.

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| **Soft Skills:** |

* Comprehensive problem solving and quick learning abilities, Good verbal and written skills.
* Communication skills, I can build a quick rapport with people for all-round development.
* Strong believer in team work and good at accepting responsibilities and successfully working in stressful situations.

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| **Project Work:** |

1. Project Title : DigitalDox3.0

Client : Deloitte US

Domain : Tax Analytics

Environment : Performance

Tools used : Vugen, Storm-runner, Azure Monitor and Appinsights, Confulence,VSTS.

Software Methodology : DevOps Development

**Description** : DigitalDox3.0 is tax application which has developed for tax payer and document purpose, application is hosted on Azure, it’s a micro-service app maintained with AKS with n number services and containers.

Roles & Responsibilities:

* Understanding NFR’s on different infrastructure (Cloud and On-premise) and finding solution accordingly
* Developed Web-based (Web & Web-Service) scripts using Vugen & JMeter & enhanced the scripts with various API functions and execution by cloud-platform – Storm-runner
* Scripted using Vugen/Vuser and added correlation, parameters, condition controls, and validation functions.
* Hands on Experience Load test for multi geo location.
* Executed load and stress test using Storm-runner a cloud platform for Vugen scripts and managed test Data for multiple scripts.
* Monitored AKS cluster, pods using Azure Monitor, app-insights and Monitored MongoDB performance using ops Manger.
* Identifyed system bottlenecks & capacity issues and assisted system architect to meet the right capacity.
* Following optimization is done for Kubernetes “k8” clusters, increased the limit ranges for CPU, Memory and limited the values for readiness and liveness probe.

1. Project Title : Concardis

Client : Cancardis Germany

Domain : Card and payments

Environment : Performance

Tools used : Loadrunner, Splunk and perfmon

Software Methodology : DevOps Development

**Description** : Concardis are full-service provider for cashless and digital payments in Germany, Austria and Switzerland. Concardis offer the right technology as well as tailored services for fast and secure cashless payment processes. They develop solutions that are easy to use for anyone – without any IT or programming expertise. This allows the customers to keep their payment processes simple and to satisfy consumers with modern and convenient services.

Roles & Responsibilities:

* Requirement gathering and understanding the system NFR’s and preparing project plan and exit report.
* Scripted for Load testing using Loadrunne and added correlation, parameters, condition controls, and validation functions on Vuser.
* Developed web service script using webservice protocols (XML) and validated the correct payload on postman
* Hands on Experience executing Load and Stress test and provided the recommendation on performance bottlenecks identified throughout the testing.
* Worked extensively with XML data and SOAP protocols in Non-UI Web services testing.
* Well-versed in HTTP, AJAX and True-client protocols Walkthrough Report to stakeholders.
* Executed component failover test and setting up threshold limit for Autoscaling of servers

1. Project Title : Mobile Banking

Client : Banco Movil

Domain : Banking

Environment : Performance.

Tools used : LoadRunner, Perfmon

Description : Banco Movil is nothing but Mobile banking in Mexico, which is used to transfer money in different ways.

Team’s Role : My Team did Performance testing on critical business scenarios like Transferring money through beneficiaries, account number or through mobile number, using Load runner scripting in HTTP, Web Services and SOAP Protocol.

Roles & Responsibilities:

Testing:

* Requirement gathering and understanding the system NFR’s and preparing performance test plan and exit report
* Scripting for Load testing done on Vugen/Vuser and script enhancement, correlation, parameters and added few validation check points/functions.
* Scripted using SAPGUI protocol for CRUD flow using LoadRunner.
* Monitoring Server and System resources using HP SiteScope
* Preparing LoadRunner analysis report once the execution is done controller systems
* Worked extensively with XML data and SOAP protocols in Non-UI Web services testing.
* Setting benchmark by tuning the system parameters and retesting the same until meets the SLA
* Done root cause analysis for identified performance issues/bottlenecks and provided recommendation for the same to Dev teams and system architects.
* Implemented autoscaling for few critical validation and app servers

1. Project Title : Gentera

Client : Compartamos Banco Mexican Bank

Domain : Banking

Environment : Performance

Tools used : LoadRunner, Perfmon, Tpacket Capture, SoapUI

Software Methodology : Agile Development

Description : Compartamos Banco is Mexican Bank which provides insurance for different product type. Application is developed on SAP platform; Front end contains CRM.

**Responsibilities:**

* Gathered NFR’s and prepared test plan and worked on effort estimation plan
* Worked on performance test scripts for SAP GUI, SAP CRM application.
* Enhanced Vuser scripts by adding correlations, parameters, condition controls, and validation functions.
* Preparing project plan and exit report.
* Hands on Experience Load test, Stress test on SAP and CRM as well as Card Manager.
* Monitored Servers using Linux commands.
* Preparing EOD reports using T-codes on SAP.
* Managing Test Data.

1. Project Title : EE

Client : Everything Everywhere

Domain : Telecom

Environment : Performance

Tools used : Jmeter, Cloud load, AWS Cloud Watch, Wiki, Jira

Software Methodology : DevOps Development

**Description** : EE (formerly Everything Everywhere) is a British [mobile network operator](https://en.wikipedia.org/wiki/Mobile_network_operator), **the application hosted in AWS**. It is the largest mobile network operator in the [UK](https://en.wikipedia.org/wiki/UK), with around 30 million customers and the largest operator of [4G](https://en.wikipedia.org/wiki/4G) services in Europe

**Responsibilities:**

* Gathered NFR’s and defining SLA for critical business flows.
* Preparing performance test plan and understanding the system technical architecture.
* Scripting for Load testing using JMeter and added correlation, parameter samplers and done response validation checks.
* Executed load and tress test using BlazeMeter and Cloud load on AWS appliaction.
* Hands on Experience Load test, Stress test using Cloud Load.
* Monitored Server using AWS Cloud Watch and Dynatrace oneagent
* Managing Test Data for order management application
* Executed multi-region load testing using BlazeMeter by procuring multiple VM’s on different regions.
* Assisted Developers & system architects with identifying system bottlenecks & capacity issues, along with identifying methods for increasing system capacity

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| **AWARDS AND ACHIEVEMENTS** |

* Received good rating for giving training on Non-Functional Testing Basics.
* Received ON SPOT AWARDS in Dell.
* Done many internal certifications and received New Relic certification.

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| **PERSONAL PROFILE** |

**Name** : Palani Murugan S

**Date of Birth**  : 10 Feb 1994

**Nationality** : Indian

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Bangalore – 560075

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I hereby declare that the information furnished above is true to the best of my knowledge.

Date: 12-12-2020

Place: Bangalore (**Palani Murugan)**