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**OBJECTIVE:**

Initiative driven, and motivated masters student with strong analytical and interpersonal skills looking for a full-time opportunity in software/performance engineering. Endeavoring to achieve my aspirations aiming to serve the organization I work for to the best of my ability and grow with it.

**TECHNICAL SKILLS:**

| | |
|---|---|
| Performance Testing Tools | ● LoadRunner 12.63 - Web (HTML/HTTP), Web Services & TruClient protocols<br>● Visual Studio Enterprise 2019 - WebTest<br>● Jmeter 5.2.1 for API Testing & UI using Selenium<br>● Integration of Jmeter with Grafana & InfluxDB for live monitoring - POC<br>● Jmeter integration with Bamboo for CI/CD pipeline |
| Supporting Tools | Fiddler, Postman, Chrome DevTools & Extensions, HttpWatch, Perfmon, Performance Center 12.63, Bitbucket, Bamboo, dotMemory, dotTrace, SQL Server Profiler, PowerShell |
| Monitoring Tools | AppDynamics, Splunk, Synthetic Dynatrace, ThousandEyes, Coralogix |
| Platforms | Windows, Pivotal Cloud Foundry, AWS, Microsoft Azure |
| Programming Languages | C#, Python |
| Tracking & Reporting Tools | Jira and Confluence respectively |
| SDLC Methodology | Agile |

**PROFESSIONAL EXPERIENCE:**

| Company | Designation | Year |
|---|---|---|
| IT Security Lab, Virginia Tech | Graduate Research Assistant | Aug 2021 - Current |
| OneTrust LLC | Intern, Performance Test Engineer | May 2022 – July 2022 |
| NextGen Healthcare | Engineer II, QA (Performance Test Engineer) | Apr 2021 - Aug 2021 |
| Mphasis Pvt. Ltd. | Delivery Software Engineer (Performance Testing) | Dec 2016 - Apr 2021 |

**ACADEMIC PROFILE:**

| Qualification | Institution | Year |
|---|---|---|
| Master of Computer Engineering | Virginia Tech, Virginia (GPA - 4) | Aug 2021 - May 2023 |
| Bachelor of Technology-ECE | Maharaja Surajmal Institute of Technology, India | Aug 2012 - May 2016 |

**SUMMARY:**

- **4.8 years** of experience in performance testing and engineering.
- Understood business requirements and designed **workload model** for performance executions that resembled the real load on the production application.
- Designed and modified existing scripts using **LoadRunner 12.63, Visual Studio Enterprise 2019 - Webtest and JMeter 5.2.1**
- Captured dynamic values generated by application using manual and automatic correlation, and customize the scripts using **Correlation, Parameterization, and Error Handling etc.**
- Extensive experience performing various types of tests; **Load, Benchmark, Stress and Endurance** test**.**
- Found **Memory Leak** using **JetBrains dotMemory** while stress testing API hosted on **Pivotal Cloud Foundry**.
- Worked on 'Continuous Integration Continuous Deployment'(**CI/CD)** pipeline by integrating Bamboo with JMeter.
- Used **AppDynamics** to create dashboards to analyze slowest methods, expensive database queries and errors.
- Used and created **Splunk** dashboards to track downstream services response times and error logs.
- Monitored response time trends across pre-production and production environments using **Synthetic Dynatrace** and **ThousandEyes** dashboard.

- Used **Windows – Perfmon** to create user defined "data collector set" to analyze **Server-Side** metrics such as CPU, memory, disk and .NET CLR Memory.
- Analyzed and proposed **Client-Side** improvements using **Lighthouse** and **PageSpeed Insights**.
- Experience in analyzing thread dumps and memory dumps.
- Identified and resolved bottlenecks w.r.t to hardware, network and DB queries to optimize the web application, APIs and standalone desktop applications.
- Created sign off reports using **Confluence**. Raised and tracked performance defects using **Jira** and worked with the Business and Development team to demonstrate the need for resolution.
- Automated creation of large sets of test data using custom scripts.
- Knowledge on monitoring **Linux Servers** and **Java Applications** using **VisualVM** and **JConsole**.
- Trained newcomers and conducted knowledge transfer sessions on performance engineering concepts.
- A strong team-player with experience to manage teams and ability to engage with all levels of the organization.

**PROJECTS:**

Title               **: PRIVACY AND DATA GOVERNANCE**
Organization     **:** OneTrust LLC
Duration          **:** May 2022 - July 2022
Roles & Responsibilities :
- Monitor daily CI/CD Runs via Jenkins and analyze the errors logged in Coralogix.
- Enhance existing jmeter scripts.
- Preparing the environment before executions and preparing release reports.

Title               **: PATIENT PORTAL & PATIENT SELF SCHEDULING**
Organization     **:** NextGen Healthcare Information Systems, LLC
Duration          **:** Apr 2021 - Aug 2021
Project Description   **:** Patient Portal gives patients access to their medical record and provides medium to communications with health care staff, pay bills online, schedule appointment online via Patient Self Scheduling.
Roles & Responsibilities :
- Gathered business requirements, created a workload model, designed and enhanced scripts using Jmeter.
- Worked on CI/CD pipeline via bamboo using PowerShell scripts.
- Captured DB queries which took more than 1 sec execution time via SQL Server Profiler.

Title               **: RETAIL WEB TECHNOLOGIES (RWT)**
Client             **:** Charles Schwab
Organization     **:** Mphasis Pvt. Ltd.
Duration          **:** Jul 2019 - Apr 2021
Project Description   **:** RWT provides a high quality, common platform for all Schwab clients including advisors, individuals, and active investors.
Roles & Responsibilities :
- Tested applications involving trade (all in one, ETF, stock slices), grants to charity, accounts summary, history and statement, equity awards center, 10b5-1, security center, financial planning, online transfer, positions and balances modules.
- Monitored production environment using Splunk, ThousandEyes and Dynatrace.

Title               **: RETIREMENT PLANNING SERVICES (RPS)**
Client             **:** Charles Schwab
Organization     **:** Mphasis Pvt. Ltd.
Duration          **:** May 2017 – June 2019
Project Description   **:** RPS is known for pioneering innovations that span the retirement industry, from open architecture to the 401(k)-plan designed to include exchange-traded funds in the core line up.
Roles & Responsibilities :
- Created scripts, scenarios for load and stress tests, followed by analysis and comparison with the previous release results.