

## Jibin Philip

**Lead Test Engineer** - Performance Testing | Security Testing| Accessibility Testing| Observability| Chaos Engineering | **Immediately available to work** | Eligible for **SC clearance in the UK**

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### Professional Summary:

- 14 years of expertise in Non-Functional Testing (NFT) across Banking, Insurance, Retail domains.
- 8 years of experience as NFT lead.
- Successfully completed over 100 international large scale client testing projects.
- Extensive experience in Performance Tuning and Optimizations
- Successfully trained multiple test engineers on NFT methods and tools.

### Technical Skills:

#### 1. Testing:

- **Performance Testing tools:** Microfocus LoadRunner Enterprise Edition, JMeter, Neoload
- **Observability/Monitoring:** Dynatrace, AppDynamics, Splunk, Perfmon, Grafana, Elastic Search.
- **Security Testing:** DAST, OWASP ZAP, Coordinating with Penetration Test Teams
- **Chaos Engineering:** Gremlin certified engineer (GECEC)
- **API Testing:** Postman, SoapUI
- **CI/CD & Automation:** Jenkins, Git, GitHub, GitBash, Shell script.
- **Accessibility Testing:** WCAG Compliance (2.1), JAWS, Windows Magnifier, Talkback
- **User Experience Testing:** AppPulse, AppDynamics
- **Test Management:** Jira, Confluence, HP ALM,
- **Service Virtualization:** CA DevTest

#### 2. Programming & Query Languages:

- **C** – Rating 3 out of 5
- **Java** – Rating 3 out of 5
- **Python** – Rating 2.5 out of 5
- **JavaScript** – Rating 2 out of 5
- **SQL** – Rating 3 out of 5

#### 3. Operating Systems:

- **Windows, MacOS, iOS, Android**
- **Linux** –
  - Good knowledge on Linux queries via terminal to assess system performance.
  - Good knowledge on Kernel.

#### 4. Network:

- Have a very good knowledge on various network layers.
- Have conducted network performance testing.
- **Tools:** TCP Viewer, Wireshark, Shunra Network Virtualization.

#### 5. Web-designing:

- **Skills:** HTML, CSS, JavaScript, jQuery, Bootstrap.
- **Rating:** Beginner
- **Note:** A self-learned side skill using which I have created a personal website.

## Professional Experience

### Performance Tuning & Optimizations:

I have listed below a summary of the tuning & optimizations that I have conducted.

- **Profiling & Continuous Performance Monitoring:** Used real time monitoring tools to proactively detect and resolve performance issues.
- **SQL Query & Database Optimization:** Identified slow queries and improved their performance with suitable query execution plans and indexing strategies. Implemented caching, DB connection pooling, and optimized stored procedures to reduce query latency, and deadlocks.
- **API & Web Service Performance Improvements:** Optimized REST & SOAP APIs by reducing payload size and using asynchronous processing. Implemented caching strategies (CDN, in-memory caching).
- **Load Balancing & Scaling Strategies:** Configured load balancers (NGINX) for even traffic distribution and implemented horizontal and vertical scaling strategies for handling increased load.
- **Caching & Content Delivery Optimization:** Configured CDN (Akamai) to reduce static content load on servers.
- **Network & Latency Optimization:** Reduced round-trip times (RTT) by optimizing network calls and enabling HTTP/2 for efficient data transfer.
- **Application Server & Configuration Tuning:** Optimized Tomcat, WebLogic, and JBoss configurations, such as thread pool size, connection timeouts, and session management.
- **JVM & Garbage Collection (GC) Tuning:** Analyzed logs for memory issues and to optimize performance by using the suitable GC algorithms (G1, CMS) and tuned thread & connection pools, and heap allocations.
- **Cloud Performance Optimizations:** Horizontal PODE Autoscaling, pod startup time.

### Major Customer Projects:

#### Senior Performance Test Lead

**Wipro Ltd (For a Banking Group – Payments, Open Banking, Migrations & Insurance) | London, UK | Nov 2020 – March 2025**

**Tools:** LoadRunner, JMeter, Neoload, Dynatrace, AppDynamics, Splunk, Grafana, Eclipse, VS code, Jenkins, GitHub.

**Operating Systems:** Windows, Linux, MacOS

#### Responsibilities:

- Led NPT team of 8 members as the Central NPT lead across various large-scale programs, and handled multiple projects including migration projects, BAU and Ad-Hoc requirements based on the standard engineering practices.
- Conducted risk assessments, NFR Gathering & Review, Workload modeling, and detailed test planning to achieve the Quality Engineering at its best.
- Led Performance testing of Migration events, Web applications, Batch, .NET/Java microservices etc.
- Implemented multiple of Performance optimizations & tuning on SQL queries, Load balancing, Web and API performance improvements.
- Always focused on the shift left approach wherever applicable by conducting early performance testing.
- Have reduced the test data readiness by developing Java utilities and Wipro's Gen AI solution to create large volume of data for file uploads/Batch job performance testing activities.
- Have implemented observability (Single Pane of Glass) using Dynatrace tool.
- Conducted DAST Security testing, Accessibility & Compatibility testing based on WCAG 2.1, W3C standards
- Provided defect management via Jira and collaborated with cross-functional teams.

- Delivered reports (DSR, WSR, EOTR) to stakeholders, improving decision-making processes.

### **Test Lead - Performance Testing**

**Wipro Ltd (For UK Retail Client - Finance Program) | Welwyn Garden City, UK**

**Tools:** JMeter, AppDynamics, Splunk, Grafana.

#### **Responsibilities:**

- Led a team of 5, managed the testing for finance systems hosted in Oracle Cloud (PAAS & SAAS).
- Conducted NFR risk assessments, NFR gathering, developed workload modelling & test planning.
- Executed JMeter-based performance tests (Load, Stress, Soak) and identified system bottlenecks.
- Utilized APM tools (AppDynamics, Splunk, Grafana) for performance tuning & optimizations.
- Has optimized the Apache Tomcat server configurations like connection time outs, thread pool size.
- Performed root cause analysis using AppDynamics, optimizing performance by 30%.
- Provided defect management via Jira and collaborated with cross-functional teams.
- Delivered reports (DSR, WSR, EOTR) to stakeholders, improving decision-making processes.

### **Senior Test Engineer - Performance Testing**

**Wipro Ltd (For a South African Bank) | Johannesburg, South Africa**

**Tools:** LoadRunner, JMeter, AppDynamics, Splunk, Elastic Search, AppPulse, HP Shunra.

#### **Responsibilities:**

- Led a team of 7, managing E2E performance testing for multiple banking applications.
- Conducted risk assessments, Non-Functional Requirement Gathering & Review, Workload modeling, and detailed test planning to achieve the Quality Engineering at its best.
- Used AppDynamics, Splunk and Elastic Search for analyze CPU, memory, and execution times and to proactively detect and resolve performance issues.
- Optimized Tomcat, WebLogic server performance by updating the thread pool size, connection timeouts.
- Optimized the load balancing using least connection algorithm, NGINX reverse proxy & load balancing.
- Has conducted mobile performance testing for both iPhone & Android devices using emulators, conducted network performance testing, User experience testing and addressed Client & server-side performance issues and optimized the performance by fine tuning the associated configurations.
- Identified key performance bottlenecks, leading to a 20% improvement in system stability.
- Provided defect management via Jira and collaborated with cross-functional teams.