**Position: Performance Test Engineer – 9 Month Contract**

**About Us:**

CENGN is Canada’s Centre of Excellence in Next Generation Networks. Our mission is to drive technology innovation and industry growth through our test bed, technical expertise, talent development, and partner ecosystem, to enable economic strength and prosperity as well as innovation and competitiveness for Canada in the high-growth global multi-trillion dollar Information and Communications Technology (ICT) industry.

CENGN collaborates with national and global technology leaders, the public sector, and academic partners, to solidify Canada’s leadership in next generation networks for the benefit of all Canadians. Our members and partners are a crucial part of CENGN’s operation, providing us with the technologies and support needed to enable our service offerings to Canadian small and medium enterprises (SMEs).

By providing Canadian SMEs with the infrastructure and expertise required to test their products, these growing businesses can overcome commercialization barriers. CENGN provides SMEs with full support of the development, validation, and exposure of their innovative solutions. CENGN also develops talent through co-op and internship opportunities as well as training offerings for professionals.

CENGN’s ecosystem includes members Bell Canada, Cisco, EXFO, Invest Ottawa, Juniper Networks, Mitel, Nokia, Ribbon Communications, TELUS, and Wind River. CENGN also partners with the federal government through the Networks of Centres of Excellence (NCE) and the Ontario government through the Ontario Centres of Innovation (OCI).

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**What We offer:**

- The benefit of an agile company in a modern setting where your ideas and opportunities for growth are nurtured and encouraged
- The gain of working with cutting edge and relevant technology
- The opportunity to work in our state of the art physical and virtual multi-vendor, test, certification and validation platform which provides a unique environment to commercialize advanced products, applications and services
- The chance to be part of the growth of a Canadian company driven by providing opportunity for Small & Medium Enterprise (SME) Canadian companies to succeed
- The advantage of working with colleagues passionate about their individual contributions to CENGN
- The experience of developing and deploying wired and wireless technologies that are utilized by applications such as cloud, wireless 5G, autonomous vehicles, broadband Internet and cybersecurity
- A company which embodies its values of:
  - Passion for our mission and empowered to make an impact
  - Integrity in an open, agile, and collaborative environment
  - Accountable and customer focused with a commitment to exceeding expectations
  - Flexible and diverse work environment with a sense belonging
- A flexible environment where output of work is valued beyond input of time, resulting in optimized work/ life balance through modern flexible work arrangements
The Opportunity:

We are seeking a Performance Test Engineer to join our team on a 9 month contract, with the potential for extension, to contribute their expertise in the performance testing of several cloud-based applications. CENGN will be conducting numerous client projects in 2021 for which there is a requirement to characterize the scalability of the client’s cloud-based applications. The applications will generally have a UI front-end as well as an API ingestion point for IoT data and APIs for mobile applications. Most of the applications will be hosted in test environments on AWS, Azure or GCP. In some cases, the application may be deployed in CENGN’s OpenStack-based private cloud.

Key Responsibilities:

1. In collaboration with other CENGN engineers, and through direct interaction with our client, you will analyze each application to understand its purpose and to identify key use cases, user flows, and API endpoints that should be subjected to scale testing.

2. Design a test plan for scale testing the application based on modern test methodologies

3. Identify the optimal load generation and automation tools for each project

4. Implement test scripts, execute the test plan, analyze results, and compile test reports

Key Competencies/Qualifications:

1. Direct, hands-on experience running the full scope of application performance testing including test plan design, advanced script development, test plan execution, results gathering, results analysis, and reporting.

2. Solid understanding of quality assurance and software development processes and methodologies

3. Strong background using industry-standard performance testing and automation tools such as JMeter, Selenium or LoadRunner and experience with relevant languages like Python and Java.

4. Ability to write clear and concise performance test reports of application and server performance, including creating graphs, charts, and basic statistical analysis in Excel.

5. Strong understanding of how web services and APIs work

6. Experience with public cloud platforms like AWS, Azure, or GCP, and knowledge of how applications are deployed on them. Experience with private clouds would be an asset.

7. Experience and comfort working with Linux systems

8. Excellent written and oral communication skills, and comfort with interacting with our clients in a professional manner
9. Experience working in an Agile environment

10. Desire to work in a highly collaborative engineering environment

11. Positive, team-focused, self-starting attitude

**Education:**

University degree or college diploma in computer science or related discipline

**Experience:**

At CENG, we prioritize practical skills over years of experience. The depth of skill we are seeking in the above technologies would *usually* be attained as a result of 5+ years of experience.

**Languages:**

- English oral, reading and writing
- Competency in any other language could be considered an asset

Interested and qualified candidates are invited to forward their resume in confidence to CENG by email to hr@ceng.ca. Please use "**Performance Test Engineer**" as the subject line.

CENG reserves the right to remove this posting prior to the application deadline. CENG thanks all applicants for their interest, however, only those selected for an interview will be acknowledged. CENG is an equal opportunity employer.