

# Job Specification

VERNE GLOBAL

## Contractor - Platform Engineer

### Summary

**Contractor Role:** Platform Engineer  
**Location:** London WC2N 4BE  
**Contract Rate:** TBD  
**Duration:** 5 months

### Overview

The Platform Engineer must have the ability to design and operate production multitenant cloud platforms. Excellent written and verbal communication skills and an ability to interact efficiently with Verne Global employees and customers is required.

This is a consulting opportunity which would suit someone who is interested in increasing and leveraging their network and contacts in the global HPC and cloud community.

A relevant degree in a related technical discipline or at least three years' relevant experience (as a consultant or employee) in a cloud operations environment is preferred.

Substantial domestic and international travel will be required. The Verne Global team is highly diverse with teams in the United Kingdom, Iceland, Germany, and the United States.

### Contractor will provide the following services to Verne Global

- **Product Development**
  - Support the design and implementation of systems architecture for HPC cloud solutions
  - Design custom system configurations for our customers
  - Develop and maintain systems documentation
- **Platform Operations**
  - Implementation and maintenance of monitoring and alerting to support the operation of cloud systems
  - Deliver simple, sustainable and repeatable solutions and processes
  - Maximise automation by putting continuous deployment and configuration-as-code at the heart of every process
  - Develop and maintenance operational procedures that allow for the remote operation of platform using local hands and eyes support
  - Drive and support innovation throughout the platform

- Engage in support of customer requests using our ticketing system
- Provide training support for Verne Global technical operations team
- Must be willing to support off-hours to ensure production network uptime
- **Sales and Business Development Support**
  - Technical support during pre-sales and proposal generation
  - Technical support during contract negotiations
- **Customer On Boarding**
  - Participate in customer workshops to capture customer requirements
- **Technical Training**
  - Sales team technical training and support
- **Data Analytics Support**
  - Collect and collate data from core and customer environments
  - Maintain reporting for Key Performance Indicators for Platform Operations
  - Ensure customer service levels are met

## Expertise to include

- Strong Linux administration and troubleshooting skills, particularly in Centos and Redhat
- Experience with the OpenStack platform
- Experience with high availability applications, monitoring, and logging tools.
- Low level systems troubleshooting and debugging skills (CPU/memory profiling, C/C++ experience, in-depth Linux knowledge)
- Strong experience with virtualization technologies, primarily KVM
- Extensive scripting skillset, ideally with Python and Bash
- Experience with container-based technologies such as Docker and Kubernetes
- Experience in developing Orchestration tools, automation tools using Ansible or Saltstack
- Experience of Continuous Integration/Continuous Deployment, cloud infrastructure, configuration as code
- Experience with source code management systems (ideally Github) and packaging
- Experience with common server & storage hardware, IPMI
- Experience with Networking technologies from Layer 1 to Layer 4, protocols, ACL and security policies
- Experience with Load Balancing technologies
- Experience with BIND
- Experience with enterprise storage
- Experience with inside team training and technical coaching
- Experience with technical writing IE: SOPs, technical proposals, etc
- The ability to work to KPI targets
- Highly organised with excellent structure and process
- Ability to quickly absorb new technical concepts and present them to others

## Highly desired expertise

- Applicants with relevant certifications are preferred
- Experience supporting certifications such as ISO27001
- Hands on experience with switches, routers, firewalls from vendors like Cisco, and Juniper
- SDN-related experience a plus, including technologies like SR-IOV, Contrail, NFV, and VNF
- Experience scripting against RESTful APIs
- Experience with HAProxy
- Experience working with High Performance Compute (HPC) environments
- Experience working with HPC job schedulers
- Experience with SQUID proxy
- Experience managing databases
- Experience with advanced distributed storage and database systems (Swift, Ceph, Cassandra...)
- Experience working with Public platforms such as AWS, Azure, GCP
- Experience with Visio
- Working knowledge of foreign languages. German language experience valued
- Customer facing experience

## Interested?

Please email a copy of your CV to [careers@verneglobal.com](mailto:careers@verneglobal.com), or use the form on our Careers section of the website to submit your application and send us your details.