**Job Specification – Assist on tasks related to**

* Development and deployment of upgrade and setup automation pipelines to operate PCF platform
* Development of additional services to PCF (monitoring addons, reporting from cloud controller API, etc)
* Issue resolution on PCF (performance, denial of service, PCF VMs, bosh deployments, etc)
* Installing & Maintaining the PCF Ops Manager VM (supplied as an OVA for vSphere)
* Collaborate with the Infrastructure operator to allocate IP address range(s) and subnets to PCF for management by Ops Manager
* Assign DNS wildcard subdomains and/or hostnames for PCF to use
* Assign TLS wildcard and/or host certificates for PCF use
* Maintain firewall access to DNS and external services from PCF
* Maintain external load balancer (e.g. F5) wildcard routes for local traffic, global multi-site traffic, and restricted traffic
* Using the Operations Manager to install and configure PCF tiles
* Monitor the PCF platform using existing VM monitoring such as vROps, or existing monitoring tools that can communicate with PCF OpsMetrics via Syslog and/or JMX.
* Assist in tasks related to platform resources requirements
* Integrate PCF with organization’s authentication provider
* Developing and maintaining customized or forked system buildpacks in collaboration with application Operators.
* Configure default global configuration for the PCF instance, including application security groups, Docker support, delegated administration support, etc.
* Maintain the deployment of community-supplied or develop and deploy customized service brokers for shared services, in collaboration with the application teams
* Maintain custom BOSH manifests, releases, and/or PCF tiles where needed
* Support with backup & recovery procedures for PCF and PCF services
* Support business continuity & disaster recovery plans for PCF and its services
* Documentation of designs and runbooks on customer tools.

**Other Job Details**

* Location – Initially onsite in Stuttgart, Germany for 3 days a week. Once relationship and on-boarding is complete, 3 days a month onsite expected unless customer expects more frequent onsite presence.
* Duration – Expected 4 months, engagement might be expected longer
* Start date: Once candidate is confirmed, employee customer onboarding will be initiated. Engagement starting 2-3 weeks post onboarding initiation.
* Tasks can span all phases of delivery from consultancy, design and implementation.

**Experience and Expertise required**

* PCF or OSS Cloud Foundry experience in terms of installation and operations, i.e. bosh, ops manager, logging, …
* PCF Tiles installation and operations (Mysql, Redis, etc)
* Networking
  + DNS, TLS
  + Firewalls
  + Load Balancers
* Monitoring of PCF or OSS Cloud Foundry
* Knowledge of development in terms of buildpacks and deployment lifecycle
* PCF ERT and PCF tile backup and recovery
* Devops concepts and installation ideally using concourse
* Ability to develop and document application artifacts in languages such as python, Java, Go, etc
* Experience of Iaas layer (Vmware) and strong networking fundamentals
* Very good knowledge of operating in Linux and knowledge of containers