



Zen Internet Role Specification

JOB ROLE: Senior Network Design Engineer

Key Deliverables

This role is an exciting opportunity to make an immediate impact upon operational success, and to work within a small but dynamic team where individual projects and responsibilities benefit from the free exchange of creative and practical ideas that typify our company's operations.

Reporting to the Head of Networks and Infrastructure, you will be primarily responsible for designing, developing and extending the Zen Internet ISP network infrastructure.

You will be capable of taking responsibility for specific elements of the network design and using your own initiative to achieve set objectives. As a senior position, the role requires that you possess the necessary self-discipline to work largely unsupervised, meeting milestones and deadlines, and producing deliverables to agreed standards.

The role will suit individuals who are excited by the opportunity to work with leading edge technologies in the design and implementation of Zen Internet's continuing network expansion.

Key Responsibilities

- Identify requirements, design document and implement technical solutions for scalable and resilient national network architecture
- Identify potential network risks and issues, and provide effective technical solutions to mitigate these risks
- Develop contingency/fail-over network systems to ensure network performance and customer service satisfaction at all times
- Monitor and communicate progress against milestones, taking proactive remedial action where necessary
- Work with the Network Operations NOC team, providing mentoring and training in the design solution, and additional systems training on in-place systems.

Candidate Profile

- Extensive experience in a network design environment gained in an ISP or telco environment
- In depth technical knowledge and practical experience of BGP, OSPF, and/or ISIS routing protocols, MPLS, L2TP, MPLS, QoS, peering and transit.
- In-depth experience of network architecture and capacity planning, utilising SDH/SONET, Ethernet, fibre/WDM.
- Conversant in best practice appropriate to network design and security.
- Understanding of hardware and software performance and scaling limitations.
- Network design, implementation, and management using Redback Smartedge, Juniper M and T series routers, and/or Foundry switches and load balancers.
- Experience of NMS platforms such as Openview, Zabbix, or Netcool
- Experience of security platforms, firewalls and/or intrusion detection systems advantageous
- Working knowledge of Unix-derivative platforms such as Linux, FreeBSD, NetBSD or Solaris

- Shell and/or Perl scripting highly advantageous
- Working knowledge of VOIP technology and protocols (SIP, H.263, MGCP)
- Cisco (CCIE) or Juniper certifications advantageous

