

Dear Hiring Manager,

I'm writing to apply for the Backend Developer/Technical Lead, as advertised on SEEK. As an experienced software engineer with an enduring passion for networking software, I see the potential to really contribute to the role.

After decades in different development roles I am comfortable with many areas of software projects. I have worked in several domains with an emphasis on telephony. This has given me a solid education on delivering responsive and reliable networking software.

My responsibilities have ranged from API design and implementation, through to back-end multi-process architectures and interfacing to external systems such as databases. I am also familiar with the software pipelines to deployment platforms such as GCP and AWS, mostly using Kubernetes.

More recently I have committed personal time and resources to the development of a generic networking platform. This has required the development and release of three integrated software libraries on PyPI.org and deployment of a supporting online service, at AWS.

The delivered goal of this networking platform is seamless network messaging across all networking scenarios, including WAN (i.e. between any two points on the Internet). This covers scenarios such as sophisticated multi-processing on a single host for benefits such as concurrency and monitoring and control of widely distributed devices.

A specific motivation for creating this platform were the difficulties I have experienced with data transformations around network messaging/APIs. There are a broad range of unpleasant problems created by the presence of multiple data authorities within a distributed solution, specifically around the collision of different type systems. Maintaining data fidelity across transformations is an ongoing challenge. Networking APIs that do not support a rich set of containers can also cause the creation of more complex and potentially fragile wrappers.

For an example of complex multi-processing and sophisticated network messaging, please [refer to this section](#) of the documentation for my networking platform.

Yours sincerely,

Scott Woods