

Dear Hiring Manager,

I'm writing to apply for the Software Engineer role, as advertised on SEEK. As an experienced software engineer with an enduring passion for networking across a diverse range of computing devices, 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 distributed systems.

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 through to monitoring and control of widely distributed devices.

Sophisticated network messaging between any two points on the Internet is built into the networking platform. Configuration takes a few minutes and within a typical operational network, requires no modification to routers or firewalls. Raspberry PIs over cellular connections have been part of the test suite for nearly a year.

I am comfortable with embedded development and have written C code at hardware interrupt level, admittedly many years ago. Also note that the entire networking suite mentioned above was originally written in C++. A switch to Python was motivated by the need for wide availability – the task of creating, distributing and maintaining C++ libraries for every popular development/target platform was simply unrealistic. Python has proven to be an effective tool.

For evidence of my recent work I offer the following links;

\* [A Quality Python Server In 10 Minutes](#)

\* [Python Networking On Steroids](#)

\* [Writing Python Servers That Know About Service Expectations](#)

There is also extensive and more technical documentation available through the [Ansar PyPI page](#).

I am available for interviews in Wellington and happy to relocate where there is a good match.

Yours sincerely,

Scott Woods