Dear Hiring Manager,

I’m writing to apply for the Development Engineer role, 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. There was also some early work in the SCADA domain for electricity distribution.

My responsibilities have ranged from API design and implementation, through to back-end multi-process architectures and interfacing to external systems such as databases and 3rd-party network APIs.

My most recent employment was with Vadacom (Auckland), a role that lasted for 7 years. The latter 4 years was consumed by a project to transfer a hosted PBX product into a multi-tenanted cloud service. Work included system design, product evaluation, language selection, prototyping and implementation.

This was an ambitious project that adopted the latest tools and technologies available, in the cloud service domain. After an extensive period of evaluation and prototyping the adopted stack included Typescript, Golang, NATs, Node and Neo4j. CI/CD was a combination of Gitlab, Kubernetes and Terraform.

My own specialty is networking using the Python and C/C++ languages. I have been the team lead in projects involving specialist hardware (MVIP) and have extensive experience implementing networking protocols. I enjoy the challenge of achieving strong, collective behaviour across a wide variety of networking infrastructure and software components.

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 the monitoring and control of widely distributed devices. Automated testing covers bare-metal hosts, virtual machines and Raspberry PIs over cellular.

For evidence of this recent work, please refer to the documentation.

Yours sincerely,

Scott Woods