Informal Biography

An ex-compiler writer, realtime kernel hack, and a software engineering manager, I have almost 50 years in the computer industry. I have been a user and occasional implementer of networking from the ARPANET to the current day Internet.

I have three and a half full-time jobs:

- I work as a Research Fellow at Internet Initiative Japan Research Lab, where I do routing research, Internet measurement, and security.
- Through Dragon Research Labs, I do routing security protocol design and implementation.
- Also through Dragon Research Labs, I am chief cat herder for the CrypTech Project, and open source HSM design effort.
- I have been involved for over 25 years with the deployment and integration of appropriate networking technology in the developing world. I was founder and an original PI for the Network Startup Resource Center, originally an NSF sponsored pro bono effort. I gave a speech on my motivations at Rhodes University in April 2002.

I spent a bit over a year at AT&T doing global Internet architecture and research, but I was just not telphant material. I gained considerable network operational experience as as the founding engineer at Verio, a backbone provider, from which I graduated in 2001 as VP of IP Networking after five years. Before that, I was the principal engineer of RAINet, Oregon's and Washington's premier ISP, which was Verio's first acquisition.

Community Service

- I helped found and organize a number of operators' fora and RIRs: NANOG, AfNOG, AfriNIC, ARIN, etc.
- I have served on many TPCs and conference organizations.
- I spent many years in the IETF in service roles and [co-]authored far too many Internet-Drafts and RFCs. For a curmudgeonly view see here
- I participated in a number of computer language standards efforts. E.g. For a decade, I led the US Modula-2 language standards efforts. I do not recommend the language as murdered by the international effort, as well documented by Pat Terry, though N Wirth's original designs have withstood the tests of time.
- I authored, but did not design, the basic FidoNet protocol standard.

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