



Daniel Nechtan

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EDUCATION

HARVARD UNIVERSITY

2022 | Cambridge, MA

CS50X/P Computer Science

OPEN UNIVERSITY

2011 - 2022 | Milton Keynes, UK

MU123 Disc. Mathematics, 2022

S104 Exploring Science, 2012

W200 Understanding Law, 2011

FIFE COLLEGE

1997 - 2000 | Kirkcaldy, Fife

HNC Computer Science

SQA Multi-User Operating Systems

SQA Using IT in Business

SQA Programming Pascal

BALWEARIE HIGH SCHOOL

1996 - 2000 | Kirkcaldy, Fife

SG Computing, English, Mathematics,
Modern Studies, Technological Studies,
Music, German, Physics.

INDEPENDENT STUDY

Enterprise Computing Linux, Java &
Jakarta EE, Oracle Database, PL/SQL,
Solaris Containers / Zones, WebLogic
Server.

Administration RHEL, Oracle Solaris,
OpenBSD, OpenVMS, nsd & BIND,
PostgreSQL, JBoss / WildFly, Apache
HTTPd & TomEE, Nginx.

Security Reverse Engineering, x86+Arm
Assembly language, Malware analysis,
cybersecurity standards including
ISO/IEC 27001 and ISO/IEC 27032.

LANGUAGES

English // CEFR C2+ (Native)

German // CEFR B1

Romanian // CEFR B1

EXPERIENCE

SELF-EMPLOYED | FREELANCE SYSTEM ADMINISTRATOR AND ENGINEER

2008 -

- **DevOps:** Red Hat Enterprise Linux, Oracle Solaris, OpenBSD, nginx, Virtualisation (KVM, VMWare ESXi) and Container platforms (Docker, Kubernetes), Ansible, Vagrant.
- **Database Administration:** SQL, PL/SQL, PostgreSQL, MySQL/MariaDB, Oracle Database.
- **Programming:** ANSI C, Perl, Elixir, Bash/Korn Shell, awk, Python 2 & 3

CRYOGENIX | INFRASTRUCTURE ENGINEER

April 2004 - Oct 2008

- Development and deployment of VPNs for private clients
- Utilised OpenVPN, BGP, Kerberos, RADIUS and AFS
- Created secure and anonymous platforms
- Other technologies employed included: C/C++, J2EE, VMware ESX, OpenBSD, tinc, Quagga, PostgreSQL, Oracle DB, and Tomcat

FIRE COMMUNICATIONS, INC | SERVER ADMINISTRATOR

June 2003 - Oct 2004

- Administration of FreeBSD systems and User-support for a small ISP
- RADIUS, Kerberos, and LDAP
- Shell scripting, security auditing

SCOTHOSTS LTD | TECHNICAL ANALYST

March 2001 - Sep 2002

- Migrated the groupware system manually from Microsoft Exchange 5 to 6.
- Built a number of dynamic websites using ASP.Net and Microsoft SQL Server.
- Technologies used included Windows NT 4, Windows 2000, Red Hat Linux 5/6, Perl, ASP, IIS4/5, Active Directory, and MS Exchange.

BRITISH TELECOM PLC | TELECOMS OPERATOR

June 2000 - March 2001

- Sourcing and providing telephone number information to clients through the National Directory Enquiries System.

PROJECTS AND INTERESTS

PERSONAL | A SHORT SUMMARY

I have spent my life pursuing knowledge, with a background in computer science and informal academic dedication to cultural anthropology, theology, linguistics, and languages over the last 25 years.

OPEN RESEARCH INSTITUTE | FORMERLY CYBERARMY

2002 -

Coordinating and managing the free educational platform and computer science & cybersecurity research institute that was formerly called CyberArmy.

CITY OUTPOST | OUTREACH AND SUPPORT

2014 - 2016

Outreach and support for homeless people in the North-East of England, providing a 'winter coat' collection and service.