PERSONAL DETAILS

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EDUCATION & QUALIFICATIONS

FORMAL EDUCATION

ONC electrical/electronic engineering – Somerset College of Arts and Technology - 1988

OTHER TRAINING

Whilst I underwent a reasonable amount of technology-specific training in my role at ITT Lowara, these were all at least 25 years ago, and the technologies are either no longer in use, or have evolved beyond recognition. (Examples: Novell Netware, Novell Groupwise, Informix SQL.)

ASSOCIATIONS & MEMBERSHIPS

I was a member of the former Guild of Accessible Web Designers (GAWDS) and the Web Accessibility Initiative Interest Group (WAIIG) community (former mailing list community.)

INTERESTS

➢ In a work context, I really enjoy mentoring, and supporting juniors. When I left the UK, my greatest success took over my job. (I literally trained her from scratch).

- ➢ Languages – studying multiple languages using online resources and social media. My strongest languages are Swedish, and Dutch, but am currently focusing on Finnish, as a challenge. (Other languages include Italian, Spanish, Icelandic, Polish, French, Latin, Danish, Norwegian).
- ➢ Social inclusion, including web/software accessibility, Assistive Technology, and applications of technology for independent living. (I have actively researched this in the past).
- ➢ Cold War studies – comparative technologies, social and cultural, and many more aspects, approached in a serendipitous manner.
- ➢ Cooking, and classic home cookbooks of the countries of my study languages.
- ➢ Embedded electronic design, with a focus on combining technology and the arts, and tools for independent living.
- ➢ Reprographics – using lasers, CNC routers, lithographic and chemical methods to render art on non-traditional media.

EMPLOYMENT HISTORY

July 2021   **Private overseas entity (USA)**

Position: **external developer (freelance)**

Responsibilities:

♦   Analyse, refactor and document database migration system.

Technologies:
- ♦   Perl
- ♦   SQLite
- ♦   Node.js

April 2020 – June 2021   **Private overseas entity (Germany)**

Position: **external developer (freelance)**

Reports to: **business owner**

Responsibilities:

♦   Create mobile app on GoodBarber platform

♦   Develop bespoke online booking system with multilingual capabilities.

♦   Server setup

♦   Documentation

Technologies:

♦   GoodBarber platform

♦   PHP

♦   MySQL

♦   JavaScript

♦   Bootstrap

♦   REST APIs

♦   My own dictionary/translation system, running from memcached.

♦   GNU/Linux

2014-December 2019   Frisk Retrieval (contractor)

Enterprise Search

Position: external developer

Reports to: Steve Farrimond, Jesse Bugden, Shane Earnshaw

Responsibilities:

♦   Ad-hoc Perl (and some Node.js) development

♦   Development of reporting and audit tools as part of product.

♦   Configuration and control tools – these run from a UI written in Perl, and invoked from the command line (ie: not web-based).

♦   Created original internal time-tracking and business intelligence reporting system. (Intranet front-end, Perl/MySQL backend)

♦   Tools to manage remote SME client systems

♦   Documentation

Technologies:

◆   Perl

◆   JavaScript/Node.js

◆   GNU/Linux

◆   Command line Kerberos utilities

◆   Bash

◆   HTML

◆   MySQL

- PostgreSQL
- Git
- Gitlab CI

2001-Current   **Smiffytech (sole trader))**

Web design (formerly) web-based software development, including intranet/back office solutions, general consulting in technology.

Recent Highlights:

◆   WeRWorld – administrator for the Twitter rotation/curation account since January 2016. Currently (March 2020) doing extra community building to provide support through the account and other platforms to those isolating due to COVID-19. Making the best use of communication and facilitation skills.

◆   Designed a directory system for sex workers, to be run by sex workers, where security and legal compliance were high priorities, and where new interface languages could be added simply by the provision of a translation file. Technologies:

- ○   PHP
- ○   JavaScript
- ○   XMLHttpRequest
- ○   MySQL + JSON (hybrid storage mechanism)
- ○   HTML5
- ○   Bootstrap
- ○   Bash
- ○   OpenSSL (backup encryption)
- ○   LetsEncrypt
- ○   Apache2
- ○   GNU/Linux

◆   Analyse requirements, on behalf of a client, to rationalise the internal systems of a migration agency into a single, CRM-like solution, capable of significant but easy changes to track changing requirements from government. Technologies:

- ○   PHP
- ○   JavaScript
- ○   XMLHttpRequest
- ○   MongoDB
- ○   HTML5
- ○   Bash
- ○   OpenSSL (backup encryption)
- ○   Apache2

- ○ GNU/Linux

◆ Designed and implemented a domain registration system connecting to multiple wholesale APIs, payment gateways, and related services. (Was a major, ongoing project.) Technologies:

- ○ Perl

- ○ JavaScript

- ○ XMLHttpRequest

- ○ MySQL

- ○ MongoDB

- ○ HTML

- ○ OpenSRS API

- ○ Eway API

- ○ DIT API

- ○ Apache2

- ○ GNU/Linux

Previously:

◆ Providing services and consultancy to NGO providing employment and youth services in the region.

◆ Implement web-based system to allow students to track learning achievements as part of a pilot project between an NGO and the local education department.

◆ Designed web-attached prototype touch-screen visitor information system, including hardware and controllers for a through-window system. Project included liaison with various operators and other bodies including the tourism commission, and discussions around GIS-based systems.

Skills Assessment

Skill Level:

5	**Expert**	You are a recognised expert
4	**Very Strong**	Advanced understanding of skill area
3	**Competence**	Thorough understanding of skill area
2	**Learning**	Some experience, good working understanding of skill area
1	**Familiarity**	Limited understanding of skill area, but no actual experience
0	**No Knowledge**	

Operating Systems (Administration)	Years Exp	Last Used	Skill Level
GNU/Linux (recently, Debian/Ubuntu)	>20	Current	4
macOS	8	Current	3
AIX	14	1999	3
Networks	**Years Exp**	**Last Used**	**Skill Level**
SMTP, IMAP, Telnet, SSH	>20	Current	3
Databases	**Years Exp**	**Last Used**	**Skill Level**
MySQL (and previously other SQLs)	>20	Current	4
MongoDB	10	2017	3
SQLite	10	Current	3
PostgreSQL	3	2019	2
Programming Languages	**Years Exp**	**Last Used**	**Skill Level**
Perl	>20	Current	5
PHP	>10	Current	4
JavaScript/Node.js	>20	Current	3
Bash (and other shells)	>20	Current	3
TypeScript	<1	2021	2
React	<1	2021	2
Angular	<1	2021	2
Python	<1	2020	2
Other Languages/Related	**Years Exp**	**Last Used**	**Skill Level**
Documentation	>20	Current	5
REST APIs	>10	Current	4
HTML(5)	>20	Current	4
CSS	20	Current	3
XML	20	2019	3
RDF	>10	2019	3
SVG	>10	2017	3
Redis + Lua	<1	2020	2
Metadata: Dublin Core, Library of Congress, Custom	>10	2019	3
(And glancing knowledge of other W3C technologies)	>10		
GoodBarber platform	1	2020	3
Other Technologies	**Years Exp**	**Last Used**	**Skill Level**
Web Sockets, including audio	1	2012	2
Asterisk VoIP	1	2012	2
Apache 2 (including original Apache)	>20	Current	3

Studies

- Getting up to speed with HTML5, most notably accessibility features. (The bulk of my HTML work was XHTML).
- Learning Python, having only brushed with it before, as I regard this as a gap in my skillset.
- Learning Angular, as I have identified this as platform I would like to use, at the very least, for private mobile app projects. If I needed to make the jump to something running natively, I would be looking at using this with Ionic.
- For similar reasons for looking at Angular, I am looking at desktop equivalents, such as Electron, Tauri, Neutralinojs.

Other Experience

I am a generalist with skills and experience extending well beyond the IT sector.

- Study of (human) languages
- Facilitation & network building, both in and out of work
- Developing and delivering internal training
- Development of non-electronic workflows and processes
- Documenting technical issues in a non-technical manner
- Researching totally new areas of knowledge

Clearances

As part of my work with Frisk, I have passed screening for:

- Background check for the National Australia Bank.
- PEIC for the Australian Taxation Offices.

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