John Lynch

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Github: **https://github.com/teraspora/**
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PROFILE

Experienced, innovative and creative software developer and IT engineer who loves coding, designing and building software, troubleshooting, teaching and helping people.

My early passion for coding has returned after years of working in IT, and I'm keen to deploy my new skills in conjunction with old ones.

My experience, training and education in computer science, IT, mathematics and teaching show my ability to learn quickly to a high standard over a broad range of technologies.

Running my own business developed my commercial awareness.

Just (**June 2019**) received my **First Class Honours Diploma in Software Development** (from Code Institute / Napier University).

Now looking for the right opportunity to contribute and carry on learning.

KEY SKILLS

- Careful, logical thinker with initiative and persistence.
- Flexible and adaptable; responds quickly to changing priorities and new challenges.
- Conscientious and dependable, pays attention to detail where necessary.
- Keen team player who sees the bigger picture.
- Excellent written English, experienced at writing high-quality documentation.
- Experienced in understanding business needs.
- Quick learner, used to picking up new systems and technologies fast.

TECHNICAL SKILLS

- **Languages**: Python, Javascript, ES6, Java, Clojure, GLSL, VB.NET, Fortran, Bash
- **Database**: MongoDB, Postgres, MySQL
- **Frameworks**, **libraries** etc.: Jquery, Node.js, Bootstrap, Flask, Django, Materialize
- **Services**: Heroku, AWS / S3, Snipcart, Stripe
- **Version Control, CI/CT**: Git, Github, Gitlab, Travis CI
- **Operating Systems**: Linux, MS-DOS, MS Windows (3.1 – 10 + NT4, 2000 Server); Honeywell GCOS, Burroughs medium and large systems
- **Networking:** TCP/IP, UDP, HTTP, FTP, DNS, sockets, NAT etc.
- **PC hardware / building**, OS installation, pre-installation, troubleshooting etc.
- **Image generation** & processing, pixel manipulation, point transforms, filters etc.
- **Mathematical & geometric programming**, fractals, graphics etc.
- **Vector algebra**, Complex algebra, colour mapping algorithms etc.

* My guide to asking good coding questions - **https://github.com/teraspora/slack-questions-ci** - **recently made into a Slackbot Autoresponder by Code Institute.**
* My template for an episode of Syntax podcast on CSS Layout recently used by Wes Bos & Scott Tolinski for Episode 104: https://syntax.fm/show/104/css-layout
* Current projects (all on Github):
   - **A Guide to the Bash command line interface for new software development students**
   - **A Javascript colour palette explorer/generator (developer tool)**
   - **A Javascript/GLSL app that runs GPU-based animations in the browser**

EDUCATION & TRAINING

First Class Honours Diploma in Software Development - Napier University/Code Institute, Dublin	2019
CertTESOL (English Teaching qualification)	2011
SCJP (Sun Certified Java Programmer)	2009
MCP (Microsoft Certified Professional) in VB.NET	2008
City & Guilds Diploma in Software Development	2008
Microsoft Certified Pre-installation Specialist (Windows ME and XP)	2009
B.Sc. Mathematics - University of Hull, UK.	1978

RECENT WORK HISTORY

Self-employed computer technician – West Cork / Cork City — 2015-2018
- PC repairs, troubleshooting, security, upgrades, tuition etc. (domestic and small business market).

English teacher – Cork English College, Cork and Linguarama, Madrid — 2011-2015

Software Development Student - FÁS Centre, Bishopstown, Cork — 2008-2009

Self-employed computer technician – West Cork / Cork City — 2003-2010
- As above.

Computer Factory Technical Manager – Direct Memory International, Carrigaline — 2000-2002
- Designed and implemented factory build procedures, stock control system and testing protocols from scratch.
- Managed the pre-installation, testing and rollout of the first Windows XP systems.

PC Technician – PC Superstore, Cork — 2000
- Designed and implemented repair job audit procedures and logging from scratch.

ADDITIONAL INFORMATION / INTERESTS

- I love using mathematics and coding to create art.   I love to play music (piano, tin whistles, alto saxophone), especially with other musicians.   I learnt paragliding recently in Chile and very much hope to do more.   Other interests include chess, backgammon, cooking & baking, winemaking, gardening & arboriculture, carpentry/DIY, mountain hiking, science, technology & the environment, languages and linguistics, human psychology…

- Speaker of Italian, German, French, Spanish, bits of other languages.