

# John Lynch

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Github: <https://github.com/teraspora/>

Website: <https://www.teraspora.net/>

## PROFILE

Experienced, innovative and creative software developer and IT engineer with a passion for coding, troubleshooting and helping people solve problems.

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

Used to a broad range of technologies and to developing systems that are reliable, user-friendly, and do the job required. Sees the bigger picture.

Skilled leader who has the proven ability to motivate, educate, and manage a team of professionals. Confident communicator, strategic thinker, now looking for the opportunity to utilise his existing skills and further develop new skills.

Careful, logical thinker with initiative, persistence, attention to detail where necessary, good communication skills and great strength in problem analysis and solution design.

## RECENT PROJECTS & ACHIEVEMENTS

5. <https://github.com/teraspora/trif>, deployed to <https://ztrif.herokuapp.com/>
4. <https://github.com/teraspora/wc-veg>, deployed to <https://wcveg.herokuapp.com/>
3. <https://github.com/teraspora/arith>, deployed to <https://arith.herokuapp.com/>
2. <https://github.com/teraspora/fractal-explorer>, deployed to <https://teraspora.github.io/fractal-explorer/>
1. <https://github.com/teraspora/ts-website>, deployed to <https://www.teraspora.net/>

\* **My guide to asking good coding questions** - <https://github.com/teraspora/slack-questions-ci> - recently made into a Slackbot Autoresponder by Code Institute.

## KEY SKILLS

- Python, Javascript (ES6), Java, Clojure, GLSL
- HTML, CSS, JSON, XML, JQuery, WebGL, Node.js, MySQL, Python, MongoDB, Flask, Jinja2, Django, Bootstrap, Materialize; OOP, MVC, functional programming
- Git, Github, Gitlab, Heroku, Travis CI, AWS S3, Snipcart, Stripe
- Linux, Bash, MS-DOS, MS Windows (3.1 – 10 + NT4, 2000 Server)
- Rusty BASIC, Fortran, Algol, VB.NET, C and C++
- Image generation & processing, pixel manipulation, point transforms, filters etc.
- Mathematical & geometric programming, fractals, cellular automata etc.
- Vector algebra, Complex algebra, colour mapping algorithms etc.
- PC hardware / building, OS installation, pre-installation, troubleshooting etc.
- Broad experience of computer and network hardware
- Good team player but also fully capable of working alone
- Can think creatively, and learns new tasks/skills quickly

## EDUCATION & TRAINING

June 2019	First Class Honours Diploma in Software Development	Napier University/ Code Institute, Dublin
2018 - 2019	Diploma in Software Development (Modules: HTML, CSS, JavaScript, GIT, GitHub, HTML, CSS, JavaScript, UX/UI Design, Bootstrap, jQuery, Python, MySQL, MongoDB, Heroku, Jinja2, D3/DC/Crossfilter, Flask, Django, PayPal, AWS)	Code Institute, Dublin
2011	CertTESOL course (English Teaching qualification)	Atlantic S.E.A.L., Schull
2008 – 2009	Software Development Trainee	FÁS Centre, Bishopstown, Cork.
2009	SCJP (Sun Certified Java Programmer)	FÁS Centre, Bishopstown, Cork.
2008	MCP (Microsoft Certified Professional) in VB.NET	FÁS Centre, Bishopstown, Cork.
2008	City & Guilds Diploma in Software Development	FÁS Centre, Bishopstown, Cork.
2001 – 2002	Microsoft Certified Pre-installation Specialist (Windows ME and XP)	
1978	B.Sc. Mathematics	University of Hull, UK.

## RECENT WORK HISTORY

2015 - 2018	Self-employed trading as "The PC Wizard"	PC repairs, troubleshooting, upgrades and tuition (domestic and small business market)
2011 - 2015	Cork English College, Cork	Temporary English teacher (seasonal work, mainly in the summers)
2003 - 2010	Self-employed trading as "The PC Wizard"	PC repairs, troubleshooting, upgrades and tuition (domestic and small business market)
2000 - 2002	Direct Memory International (Wilton Court), Carrigaline, Co. Cork	Technical Manager, running factory building PCs and supporting office network
2000	PC Superstore, Lavitt's Quay, Cork	PC Technician

## ADDITIONAL INFORMATION / INTERESTS

- I love to play music (piano, tin whistles, alto saxophone), especially jamming with other musicians; I learnt paragliding in Chile and hope someday to do more; other interests include chess, backgammon, cooking & baking, winemaking; gardening & planting trees; carpentry/DIY; mountain hiking; science, technology & the environment; languages and linguistics, human psychology...
- Speaker of Italian, German, French, Spanish, bits of other languages