

JOHN LYNCH

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PROFILE

An experienced, resourceful individual who is highly motivated, conscientious and reliable, accustomed to meeting targets within time, cost and exacting standards in a wide variety of roles. My experience, training and education within computer science, IT, mathematics and teaching show my ability to learn quickly to a high standard over a broad range of technologies.

With nearly two years at Spearline I have learnt a lot and am ready for the next challenge.

I am keen to work in scientific programming, mathematical modelling, backend engineering, machine learning, data science or a related field.

KEY SKILLS

- Adaptable and flexible - ability to cope with changing priorities and different working environments.
- Reliable, conscientious, with a cheerful disposition.
- Meticulous, able to persevere with a problem to its conclusion.
- Multi-lingual speaker of Italian, German, some French and Spanish.
- Keen, enthusiastic and competent team player.
- Excellent written English, experienced at writing high-quality documentation.
- Commercially aware.

TECHNICAL SKILLS

- Languages: Python / Javascript (ES6) / Java / Clojure / PHP / VB.NET / Bash / HTML / CSS / GLSL
- Database: Postgres / MySQL / MongoDB
- CMS and Frameworks etc.: jQuery / Node.js / Bootstrap / Flask / Django / CakePHP, Heroku, AWS
- Operating Systems: Linux / MS-DOS / Windows
- IDE: Sublime Text / VS Code / Visual Studio / Eclipse
- Mathematical programming: Fractals / Linear Algebra / Vector & Matrix maths / Matlab
- Version Control: Git / GitHub

QUALIFICATIONS

Diploma - Full Stack Web Development:

First Class Honours (Code Institute) accredited by Edinburgh Napier University **2019**

Sun Certified Java Programmer **2009**

Microsoft Certified Professional (VB.NET) **2008**

City and Guilds in Software Development **2008**

BSc Mathematics – University of Hull (UK)

RECENT STUDY

Software Development Student – Code Institute, Dublin **2018 - 2019**

- Awarded First-Class Honours Diploma (see above section).

Software Development Student – FÁS Centre, Bishopstown, Cork **2008 - 2009**

- Awarded SCJP (Sun Certified Java Programmer) and MCP (Microsoft Certified Professional, VB.NET)

RECENT CAREER EXPERIENCE

Software Engineer – Spearline, Skibbereen, Co. Cork **2021 -**

- Maintain and develop internal testing tools (PHP)
- Develop Management Reports API in Python/Flask
- Develop Python scripts to extract and present db data as required
- Develop frontend Javascript apps as required
- Maintain and upgrade major customer facing platform (CakePHP)
- Liaise with colleagues in other departments to provide the best possible service and resolve issues as needed
- Understand Spearlines's server network architecture, db structure, development/testing/production pipeline etc.

Junior Software Engineer – Spearline, Skibbereen, Co. Cork **2020**

Self-employed computer technician – West Cork / Cork City **2015 - 2018**

- PC repairs, troubleshooting, security, upgrades, tuition etc.
- Start-up company, targeting domestic and small business market.
- Marketing to prospective customers.

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

Self-employed computer technician – West Cork / Cork City **2003 - 2011**

- As above

Technical Manager – Direct Memory International, Carrigaline **2000 – 2002**

- Managed factory building PCs for the PC Superstore retail chain.
- 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 / Chief Technician – PC Superstore, Cork **2000**

- Designed and implemented repair job audit and logging procedures.

ADDITIONAL INFORMATION / INTERESTS

- I love using mathematics and coding to create art and other interesting stuff. See <https://www.teraspora.net/> and <https://zeroundefined.net/>
- I enjoy playing music (piano, tin whistles, alto sax), especially with other musicians, and composing tunes.
- Other interests include chess, backgammon, cooking, gardening, carpentry/DIY, hiking, linguistics, psychology...
- My Github repositories can be found at <https://github.com/teraspora/>