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.

After years of experience in mainframe operations and more, and with nearly two years at Spearline working with frontend and backend systems, having been promoted twice, I have learnt a lot and am always ready to learn more.

I am focused on gaining a holistic understanding of a company's business, thinking deeply about how business needs can best be served by software systems, developing internal tools to automate repetitive procedures, being proactive in anticipating future needs and spotting issues early, constantly liaising with others within and without the dev and software teams, using the information available to best advantage, encouraging the sharing of knowledge, writing clear documentation when appropriate, encouraging and mentoring junior team members.

KEY SKILLS

- Adaptable and flexible - ability to cope with changing priorities and different working environments.
- Always looking at the bigger picture, while also able to focus on detail.
- Reliable, conscientious, with a cheerful disposition.
- Meticulous, able to persevere with a problem to its conclusion.
- 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 / Beginner Rust!
- Database: Postgres / MySQL / MongoDB
- CMS and Frameworks etc.: jQuery / Node.js / Bootstrap / Flask / Django / CakePHP, Heroku, AWS
- Management systems: etc.: Docker, Redmine, Github, Jenkins, Ansible, AMT, Zabbix
- Operating Systems: Linux / MS-DOS / Windows
- Mathematical programming: Fractals / Linear Algebra / Vector & Matrix maths / Matlab / numpy / scipy / pandas

QUALIFICATIONS

2019   **Diploma - Full Stack Web Development:**
First Class Honours (Code Institute) accredited by Edinburgh Napier University

2009   **Sun Certified Java Programmer**

2009   **Microsoft Certified Professional (VB.NET)**

2008   **City and Guilds in Software Development**

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

Senior Technical NOC Engineer – Spearline, Skibbereen, Co. Cork   2022 - 2022

- Liaise with colleagues in Network Operations and throughout the company to identify and clarify needs
- Build internal tools to enable instant access to critical data for internal teams
- Design and implement systems to automate repetitive processes and integrate systems
- Understand our server architecture and management in order to be able to identify solutions fast when needed
- Produce high-quality documentation for procedures

Software Engineer – Spearline, Skibbereen, Co. Cork   2021 - 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 - 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, Madrid2011 - 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/