

Dr. Katharine Murphy PhD

Head of Documentation, Lead Technical Writer/Author, Consultant, SCJP/SCWCD/SCJA, ITIL, IEEE, IBM Security
DrKMurphy@ieee.org

Committed to excellence, I seek senior-level, remote, contract or permanent roles that take advantage of my background, education, skills, and experience. Portfolio available on request.

Lead Senior Technical Writer, Polygon Labs, Remote

Nov 23-now

- Architected, designed, and built the [Polygon Knowledge Layer](#).
- Devised unique divide-and-conquer approach to technical documentation across multiple teams.
- Implemented a git-based, docs-as-code approach: <https://github.com/0xPolygon/polygon-docs>.
- Managing small team of writers across multiple projects in different time-zones.
- Strategizing documentation for developer audience.

Lead Technical Writer, zkSync, Remote

Apr 23-Nov 2023

- Developed AI processes enabling engineers to submit quality first drafts to the editorial team.
- Restructured the platform for readability and narrative flow.
- Redeploying small and inefficient team by focusing on their skills.

Lead Technical Writer, ConsenSys, Remote

Oct 21-Apr 23

- Enhanced developer experience with high-quality technical docs: [Infura](#), [MMI](#), [Assets](#), [UniversalToken](#).
- Turned around under-performing documentation sites.
- Technical expertise: fintech, web3, computer science, APIs, security.

Contract Senior Technical Writer, Qredo, Fintech, Remote

Mar-Oct 2021

- Set up [technical documentation platform](#) and processes, rearchitecting public-facing developer documentation, advising on technical content, managing small team.
- Experience includes blockchain, Solidity, Java/TypeScript crypto, GoLang, Erlang/Elixir.

Contract Technical Writer, Chronicle Software, Fintech, Remote

Jan-Mar 2021

- Researching, writing, improving, and editing tutorials for high frequency trading applications.
- Conducted testing and quality assurance for Java demos: <https://chronicle.software>

Contract Technical Writer, Improbable, Gaming, Remote

May-Dec 2020

- Designing and implementing efficient content management frameworks.
- Supporting non-technical staff in software design and implementation standards, e.g. UML, OOP, basic programming, any CS specific requirement.

Contract Technical Writer, InfoSec, CRUK, Charity, Remote

Jan-Apr 2020

- InfoSec doc requirements for ISO-27001, PCI-DSS, NIST, CoBIT, ITIL, including public Security Policies, procedures and processes, and project tracking.

Start-up CEO & Founder, forgivenet®, Fintech, Remote

Jan 2018-now

- Crypto/blockchain start up, FRGVN: <https://forgivenet.co.uk>.

Head of Technical Documentation, Fetch.AI, Fintech, Cambridge

Jan-Dec 2019

- Developed, designed, and built [the company docs framework](#).
- Wrote and published the C++-based [etch smart contract language guide](#) -> copy available on request.

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Technical Writer, Goldman Sachs, Banking & Finance, London

Jan-Dec 2018

Sharing lessons learned on Severity 1 incidents occurring across the firm over the previous week.

Contract Technical Writer, INMARSAT, Satellite Telcom, London

Jul-Dec 2017

Contract role writing detailed developer SDD documentation (IEEE-2009) for an Agile greenfield virtual high-speed satellite network platform for ships, oil rigs, airplanes. UML, Enterprise Architect, IntelliJ, MadCap Flare, Visio.

Technical Author/Instructional Designer, ITRS, Fintech, London

Jan-Jul 2017

Technical reference, APIs, How To docs, Help, Quick Start, Tutorials, Release Notes, Marketing/Sales. Developing training content and web-based solution in an Open Source LMS Moodle for Fintech data analysis products.

Java Support Analyst, Nokia International, Finland

2011- 2015

Third-line Java application support analyst for global Nokia dealer sites: <https://online.networks.nokia.com/>.

Java Application Developer, British Telecom, UK

2010- 2011

Application developer, J2EE Agile environment, for high-volume UK luxury fashion e-commerce websites.

Content Manager/Tech Author, Vodafone, London

2009-2010

Technical Author for WSDL API new clients' web services.

PhD in Computer Science, Universidad Politécnica de Madrid, Spain

2005-2009

Research into Digital Signal Processing techniques (MATLAB) for human vocal apparatus for analysis and evaluation of medical systems and professional singing voice health. We designed medical systems that Spanish government agencies used for vocal recording screening in place of invasive, unpleasant, and costly treatments. Singing voice analysis complemented the research. Authored numerous research papers discussing the DSP technology and other applications thereof. Presented my work at Trinity College Dublin IEEE Medical Systems conference in June 2005. Thesis defense and research awarded *cum laude*. Thesis published online: http://oa.upm.es/1079/1/KATHARINE_MURPHY.pdf

MSc in Computer Science, Queen's University Belfast, UK

2003-2004

Graduated with Distinction, *Winner of the Howard Johnston Prize for Excellence*. Courses: Java Programming, Algorithms & Data Structures, Software Design & Engineering, Computer Architecture, Networks, Databases, Security, Web Programming (HTML/CSS/JavaScript). Masters dissertation was an initial research effort into Digital Signal Processing Analysis for Singing Voice with MATLAB and proprietary algorithms at UPM Madrid as an Erasmus student; consequently offered a PhD.

BroadVision Webmaster, Philips Electronics, Amsterdam

1999-2003

Managing European marketing websites for Philips Electronic devices. Content Manager for EMEA regional sites.