

# Paola Dolcemascolo, MS, PhD (she/her)

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I am a versatile Technical Writer and Software Engineer with a deep understanding of agile frameworks and methodologies. With a background in financial technology and academic teaching and research, I have a passion for collaborating with a wide variety of audiences and a talent for translating complex technology concepts into accessible language. My expertise in sprint planning, backlog grooming, and release management enables me to drive projects forward while maintaining a strong emphasis on delivering value to the end-users. I also possess a keen understanding of stakeholder needs and a knack for translating them into actionable product requirements, detailed documentation and engaging presentations. I excel at gathering feedback, prioritizing user stories, and working closely with development teams to ensure successful product delivery. With my communication skills and ability to bridge the gap between technical and non-technical stakeholders, I effectively align business goals with development efforts.

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## TECHNICAL SKILLS

Confluence, Figma, Microsoft Office Suite, Adobe Acrobat, Jira, Ruby, Rails, SQL, JavaScript, React, Redux, HTML, CSS, Material UI, Semantic UI, Postgres, API documentation, Angular, Java, Cucumber, Selenium

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## EXPERIENCE

### Self-Employed

Remote

AI Content Writer/Editor

01/2021 - Current

- Employ both technical and creative writing skills, as well as editing skills, to enhance the efficiency and accuracy of generative AI and large language models.
- Proficiently handle data annotation, entity labeling and tagging, Identifying object-to-object relationships, document labeling and record classification.
- Image, video and audio annotation.
- Collaborate remotely with teams to ensure consistent high-quality results.
- Maintain data privacy, keeping sensitive information confidential at all times.
- Adapt to changing project requirements while staying updated on annotation tools and techniques.
- Meet project deadlines for timely data analysis and model training.

### Bank of NY Mellon

Remote

Full Stack Developer/Technical Writer

05/2021 - 11/2023

- Created comprehensive documentation of project requirements, development processes and technical specifications using Confluence in order to facilitate communication between developers and product owners.
- Contributed to user manual for Enterprise Risk software application.
- Designed and implemented RESTful APIs, along with corresponding documentation, to ensure data integrity and security.
- Participated in the design, development, and deployment of enterprise-level software solutions within Enterprise Risk technology, using Java, Javascript, Spring Boot and Angular technologies.
- Created content for training materials and provided technical guidance to junior developers.
- Collaborated closely with stakeholders, including business leaders, users, and the development team, to define and document product goals and roadmap.
- Translated high-level business requirements into detailed user stories, product backlogs, and acceptance criteria for the development team.
- Created documentation to conduct usability testing, managed testing scenarios, and created reports summarizing the outcome of usability testing.
- Created wireframes in Figma and led demo sessions to gather user feedback.
- Acted as a bridge between technical and non-technical teams, ensuring clear communication and alignment on product vision and objectives, giving multiple PowerPoint demonstrations.
- Championed Agile principles, facilitated sprint planning, daily stand-ups, and sprint reviews to drive continuous improvement and team productivity using JIRA.
- Actively engaged with customers, conducted user interviews, and gathered requirements to inform product strategy and future enhancements.
- Utilized version control systems (e.g., Git) and continuous integration/continuous deployment (CI/CD) pipelines to streamline development processes.
- Delivered complex UI components in Angular including corresponding unit testing.
- Implemented core backend features using Java 11 and Java 17.
- Addressed SQL database challenges.
- Automated smoke tests and regression tests using Cucumber and Selenium.

**Berkeley College**

Professor

New York, NY

09/2014 - 12/2019

- Orchestrated a 20% increase in student engagement and positive reviews of Math and Science Department classes by employing diverse teaching methodologies and student advisement activities.
- Taught classes in Sustainability, Bioethics, Forensic Science, General Psychology.
- Developed and delivered engaging lectures, discussions, and hands-on activities to facilitate student learning and understanding.
- Led and managed an initiative to improve student comprehension by 10% and streamline budget calculations via data collection on the effectiveness of science lab activities.
- Mentored and advised students on academic and career matters, supporting their growth and success.
- Actively remained abreast of industry trends and emerging technologies, integrating relevant concepts and applications into the curriculum.
- Served on academic committees, contributing to program development, accreditation processes, and institutional governance.

**Wildlife Conservation Society**

Molecular Biologist

New York, NY

09/2016 - 01/2019

- Designed, implemented and managed experiments in the field of Environmental Ecology and Genetics.
- Enhanced the efficiency of an iOS mobile app in the analysis of environmental DNA samples for the detection of fungi, turtles and endangered sharks.
- Conducted quality control testing of novel Minlon mobile flow cell technology for DNA and RNA sequencing.
- Assisted in grant proposal writing and secured funding for research projects.

**Montclair State University**

Research Technician/Lab Manager

Montclair, NJ

09/2009 - 12/2013

- Designed, implemented, and managed experiments in the fields of Genetics and Ecology, analyzing data relevant to making policy decisions with the aid of industry specific software.
- Authored research papers, reports, and presentations for publication and conference presentations.
- Collaborated with interdisciplinary research teams, fostering a culture of knowledge sharing and collaboration.
- Managed undergraduate and graduate research students projects.
- Presented research findings to faculty, peers, and industry professionals in academic and conference settings.
- Assisted in grant proposal writing and secured funding for research projects.
- Managed lab operations, including inventory management, equipment maintenance, and adherence to safety protocols and regulations, along with lab budget.

**Essex County College**

Adjunct Professor

Newark, NJ

09/2004 - 12/2006

- Implemented novel instructional methodologies for teaching STEM classes to non-science majors

**EDUCATION****Flatiron School**

Full Stack Web Development, Ruby on Rails and JavaScript program

NYC, NY

06/2020 - 09/2020

**Montclair State University**

PhD, Environmental Management

Montclair, NJ

09/2009 - 05/2014