Colleen Whitney

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Profile

Technical communications professional with extensive software engineering experience. Areas of technical expertise include API design and development, application development, web services, microservices, databases and search technologies.

Summary

Tools and Technologies:	JavaScript, Java, PHP, Perl, SQL, HTML, CSS, Node.js, Redux, React, Docker, Fastly, New Relic, Kibana, Amazon Web Services, MarkDown, OpenAPI (Swagger), Postman, YAML, JSON, XML, XPath, XML Schema, Relax NG, XQuery, SOAP, REST, WSDL, Web Services standards, MySQL, PostgreSQL, MarkLogic Server, MongoDB, UNIX/Linux, Windows, Mac OS, Git, SVN, CVS, Eclipse, OXygen, IntelliJ, Vim, Jira, GitHub, Confluence
Deliverables:	API documentation, code samples, demo scripts, technical presentations, blogs, training materials, proposals
Samples:	http://www.smitwhit.net/samples.html

Professional Experience

Adobe, San Francisco, CA (4/2016 – 1/2018)

Engineering Manager, Adobe Stock
Managed a team of 11 developers that maintained and developed new features for the Adobe Stock website (stock.adobe.com) and APIs. The team's technical environment included PHP, JavaScript, HTML, CSS, Node.js, Redux, React, Docker, Fastly, New Relic, Kibana, Amazon Web Services, Swagger, git, Jira.

California Digital Library (University of California), Oakland, CA (10/2014 – 3/2016)

Technical Manager, Discovery and Delivery
Managed a team of eight developers that maintained a suite of integrated systems serving the students, faculty and staff of the University of California system. Oversaw service operations, technical infrastructure and best practices; managed migration of all critical services from the local data center to the cloud. The team's technical environment included Amazon Web Services, Java, Ruby, PHP, Javascript, HTML, CSS, git.

MarkLogic Corporation, San Carlos, CA (6/2006 – 10/2014)

Principal Development Manager (8/2013 – 10/2014)
Senior / Lead / Principal Software Engineer (7/2008 – 8/2013)

Co-founded and led a team responsible for APIs and tools for rapid data-driven application development. Delivered APIs and applications for 5 major releases (MarkLogic 4.1 - MarkLogic 7) in key feature areas including full-text and boolean search, document transformation and ingestion, and MarkLogic Server deployment, monitoring and management. Managed a team of five engineers through two major release cycles (MarkLogic 6 and MarkLogic 7). Presented at MarkLogic User Conferences (2009 - 2013) and regional user group meetings. The team's technical environment included: XML, XPath, XQuery, HTML/XHTML, Javascript, Java, Node.js, SVN, git, and Eclipse.

Consultant (7/2006 – 7/2008)

Staff technical consultant working with enterprise customers to implement MarkLogic Server based applications. Researched and recommended application design, document structure, and indexing strategies. Wrote, profiled and optimized code. Consolidated, rewrote and piloted the introductory public training course for MarkLogic Server developers. Developed and delivered custom private training courses for MarkLogic Server developers and administrators.

California Digital Library (University of California), Oakland, CA (5/2005 – 6/2006)

Programmer/Analyst, Researcher

Led development, testing and assessment of candidate methods of generating recommendations in a prototype catalog system, to inform next-generation system development efforts. Secured, anonymized and analyzed data, built a simple prototype, and worked with California Digital Library user experience team members to implement a small-scale user evaluation. Co-authored a summary of project results for *D-Lib Magazine* (bit.ly/eeJHNC).

University of California Museum of Paleontology, Berkeley, CA (3/1999 – 5/2005)

Webmaster, Web Developer

Managed content and developed new applications for high-traffic websites including the Museum's high-volume flagship Web site (ucmp.berkeley.edu). Developed interactive browser-based educational modules for "Explorations Through Time", and led implementation of "The Paleontology Portal" paleontology community site, both funded by the National Science Foundation. Initiated a partnership that delivered the first online specimen and image databases for the museum, including dynamic mapping capabilities. Technical environment included HTML, Javascript, CSS, PHP, Perl, MySQL.

Education

Masters, Information Management & Systems (2006)
University of California, Berkeley CA

Bachelor of Arts, English Literature (1989)
Pomona College, Claremont CA