

Joe Clark

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Software and database developer with broad and deep expertise (many technologies over 20+ years) and a Ph.D. in Information Systems. Now available for contract work and open to new full-time employment.

Selected Technology Skills

Java	Python	Web Development	Databases
Spring Framework	Flask Framework	Javascript & JQuery	PostgreSQL
Spring Security	SQLAlchemy	Angular	Oracle
JavaFX	Pandas & NumPy	D3.js	PL/SQL
Maven	Matplotlib	HTML & CSS	MongoDB

In addition: Git, Github, Jira, AWS, Heroku, Hadoop, MapReduce, Tableau, Excel, Scrum, DevOps, R, etc.
CompTIA Security+ certified.

Education

2012 · Ph.D. in Information Systems · University of Southern California
2004 · Master of Business Administration · Tulane University
1999 · BA, Communication · University of Southern California

Experience

2019-2020 · Senior Programmer Analyst · State of Maine
Java programmer responsible for an enterprise system that brings in \$27+ million revenue annually.

2016-2019 · Analytics Software Developer · Lie-Nielsen Toolworks
Freelance. Developed an analytics “kitchen sink” on top of their manufacturing ERP system. Python, Javascript, Angular.

2016-2019 · Lecturer · University of Maine
2013-2016 · Clinical Assistant Professor · Arizona State University
2012-2013 · Visiting Research Associate · University of Nebraska Omaha
2007-2012 · Ph.D. Candidate · University of Southern California
2006-2007 · Lecturer · China Agricultural University (中国农业大学)

During my 13 years in academia, I researched and taught many of the ideas and technologies at the forefront of information technology, including agile project management, cloud computing, DevOps, data science & big data.

2001-2002 and 2005-2006 · English Teacher · Taiwan, Hong Kong, South Korea, and mainland China
Taught every age from preschool to adult, traveling and working around Asia. By 2007 I could speak Chinese quite well.

2000-2001 · Senior Site Integrator · Walt Disney Internet Group
Web development position at the peak of the dot-com bubble. One of my projects was the first movie ticket sold online.

1999-2000 · Web Development Specialist · MediaPower, Inc. - Portland, Maine

1998-1999 · Web Site Integrator · NBC.com and USWeb/CKS

1997-1998 · Freelance Web Developer · Rangeley, Maine

While in college, I became the first professional web developer in my home town in Maine, and followed that up with an internship at NBC that became a paid position, and led to other web development positions after I graduated.

Books

2016 · *A Data Engineer's Manual* · <https://leanpub.com/data-engineers-manual>

2020 · *Relating to the Database* (work in progress) · <https://leanpub.com/relating-to-the-database>

For more details, see my website <http://www.joelark.net> or GitHub profile <https://github.com/joelark-phd>.