

Matt Cliff



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Skills and Abilities

Data Science Foundation and Continual Learner

- Familiar with R including tidy, knitr, ggplot2, dplyr, caret, and LaTeX
- Familiar with key Python ML libraries: sklearn, pandas, numpy, matplotlib, nltk, TensorFlow
- Understanding of Decision Trees, Neural Net, Boosting, SVN, k-Nearest Neighbor, Clustering

Developer / Architecture

- Certified AWS Solution Architect – Associate; familiar with EC2, VPC, EMR, Lambda, CloudFormation
- Proficient with Java, and familiar with programming languages, Perl, C#, Python, Bash Script, C/C++
- Familiar with Apache Frameworks – HTTPD, Tomcat, Hadoop, Maven, Hive, Pig, Spark, Mahout
- Database Design, RDBMS systems: Oracle, SQL Server, PostgreSQL, MySQL, DynamoDB, MongoDB
- Familiar with Microservices Architecture; API Design, REST, AWS API Gateway, Docker, Kubernetes
- Proficient with UNIX/Linux/Java; Linux user since 1995

Management / Communication

- Managed Department Project Portfolios, Budgets, Staffing Plans, Department forecasts
- Facilitated Team meetings, Team member recognition and talent management.
- Communication with senior management and product owners; many remote partners and co-workers

Training and Certifications

Coursera - Data Science Specialization – John Hopkins (03/2018)

- Capstone Project - <https://mcliff.shinyapps.io/qknewt/>

AWS Certified Solution Architect – Associate (12/2017)

Experience

Technology Manager/Web Developer | Wells Fargo | 08/2004 – 10/2017

- Managed Java, Mainframe (Hogan), and C# teams; with number of (FTE) reports ranging from 8 to 40
- Managed budgets, vendor invoice, staff planning, forecasting and cost allocation for \$2mm – \$4mm budgets
- Interviewed and hired over 15 employees, and 50 contract non-employee positions
- Managed critical 24x7 applications with disbursed teams in US and India
- Oversaw projects through entire SDLC; primary tools: Java, Tomcat, Apache, Unix, and Oracle DBMS

Education

MS | Mathematics | 1996 | Louisiana State University, Baton Rouge, LA

BS | Mathematics | 1994 | Virginia Tech, Blacksburg, VA

Publication

“Positivity, Trotter Products, and Blow-up”; Matt Cliff, Jerome Goldstein, Markus Wacker; Positivity, Volume 8, Issue 2 pp 187 – 208, June 2004. – A new approach to blow-up results for nonlinear evolution equations.