Resume: Brian M. Clapper

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Professional Experience

March, 2016, to present
Databricks, Inc., 160 Spear St., 13th Floor, San Francisco, CA 94105

February, 2019, to present
IT Staff Data Engineer

Responsible for building end-to-end data pipelines, bringing data from various external systems into our data lake. Additionally:

- I am the tech lead for the data engineering team that builds and manages data ingestion pipelines and dashboards for the company's human resources team. In this role, I oversee the team's technical work, work with the product manager and stakeholders to prioritize data and understand requirements, mentor and guid the younger data engineers on the team, and ensure that we meet our deadlines and KPIs.
- I led the migration of more than 700 tables and their corresponding pipelines from the Spark Hive Metastore to Databricks Unity Catalog
- I help define and refine our data engineering infrastructure, working closely with the team's data architect.
- I work with management to define strategic directions for our team.
- I mentor younger members of the overall data team, not just those on the HR group.
- I have assisted with hiring, as the team continues to grow.
- I led the data migration from one vendor's learning management system (LMS) to a different one, requiring the migration and mapping of millions of rows of data.

June, 2018, to February, 2019
Engineer, Customer Success Operations Team

This short-lived team was responsible for a variety of operations-related duties within the Customer Success department. I joined the team during our initial implementation of our first LMS vendor's product. The team was dissolved within the year, and I moved to the IT department, as a data engineer.

March, 2016, to June, 2018
Senior Instructor and Curriculum Developer

I began working with Databricks in mid-2015, initially as an independent contractor doing Spark training and curriculum developer. In mid-March, 2016, I joined Databricks as a full-time employee, as a member of the education team. In that capacity, I:

- helped launch the Learning Management System (LMS) that we use to train customers and partners

- taught numerous Apache Spark courses, both at customer sites and at conferences like Spark Summit and Strata
- wrote Apache Spark curriculum
- built and maintained tooling and live servers to support curriculum and classes
- was instrumental in the development of our self-paced training offerings
- served as a subject matter expert on Spark, Scala and Python
- managed contractors who were tasked with updating some of our courseware
- managed our 2016 MOOC offerings

March, 2009, to present
Owner, President, and Principal Consultant
ArdenTex, Inc. 25 Walnel Dr., Royersford, PA 19468

As owner of ArdenTex, Inc., I did software training and software development consulting, from March, 2009, until June, 2015, when I joined Databricks. ArdenTex is still an active company, though I currently do no work through it.

From 2013 though early 2016, I did contract training, primarily as a subcontractor through New Circle (since acquired by ProTech). I taught classes in Apache Spark, Scala, Python, Ruby, Ruby on Rails, Java, The Play Framework, and Angular JS.

From 2009 through 2015, I worked with various clients, including many startups, doing a variety of work, from building a data warehouse to numerous full stack engineering projects. The full stack projects used a variety of technologies. Back ends included Django, Ruby on Rails and the Play Framework. Front ends included Angular.js (version 1), jQuery, and Ember.js.

February, 2008, to March, 2009
Senior Software Engineer
Invite Media, Inc., 1716 Chestnut Street, Suite 4, Philadelphia, PA 19103
(Acquired by Google in June, 2010)

Invite Media built technology and provided network services to facilitate Internet optimized advertising. I was a senior developer of a small team that was responsible for specification, design, and implementation of large-scale, real-time, advertising bidding engine and ad server. The system was written primarily in Python with some components in Java.

Other Past Employers

Enterprise Architect / Senior Developer
FullTilt Solutions, Inc., (acquired by QAD, Inc. in 2008),
1400 Liberty Ridge Drive, Suite 100, Wayne, PA 19087

I was one of a handful of senior-level developers of FullTilt's product data management tool. The product embodied a work flow that enabled a company to process, classify, attribute, search, maintain, and deploy large volumes of product data, while minimizing the need for data entry personnel. The product was an early full-stack browser-based application, written in Java and JavaScript.

The product was patented; I am listed as a co-inventor.

Enterprise Architect / Senior Software Developer
PLATINUM technology International, inc., (acquired by [Computer Associates](#) in 1999), Three Valley Square, 512 Township Line Road, Suite 300, Blue Bell, PA 19422

One of two architects responsible for overall design of PLATINUM's Open Enterprise Management System (POEMS), a unified infrastructure into which all PLATINUM products were integrating, to provide seamless operation, administration, and look-and-feel across the PLATINUM product line. The components were written in C and ran on [Microsoft Windows](#) NT and multiple versions of Unix.

N2K Inc., 435 Devon Park Drive, Suite 600, Wayne, PA 19087-1943

Senior developer, computer security professional, and internal staff consultant for N2K Inc, an Internet-oriented entertainment company and an on-line music retailer that ultimately merged with CDNow.

Tangram Enterprise Solutions (formerly, Rabbit Software Corp.), 7 Great Valley Parkway, Malvern, PA 19355

Senior developer and team leader for Rabbit Software, a small company that developed PC-based SNA networking software, primarily for the UNIX, DOS and Windows environments.

Naval Air Development Center (now the Naval Air Warfare Center in Patuxent River, MD), Warminster, PA 18974-5000

Senior developer and researcher for a department that focused primarily on defining, standardizing and building software engineering environments.

Navy Resident Affiliate
[**Software Engineering Institute**](#) **(SEI)**, Carnegie Mellon University, Pittsburgh, PA 15213-3890

Selected to serve as NADC's Resident Affiliate to the SEI for one year. Served primarily as a Navy representative on the User Interface Prototyping Project, helping to build a UNIX-based user interface management system (UIMS) called [Serpent](#).

Programmer/Analyst
Financial Automation Corporation, a wholly-owned subsidiary of the Philadelphia Stock Exchange, 1900 Market Street, Philadelphia, PA 19103

Member of the technical staff responsible for maintaining and developing on-line trading system software.

Adjunct Instructor
[**Temple University**](#), Philadelphia, PA 19122

As an undergraduate, I taught an introductory Fortran programming course in the College of Engineering.

Patents

Co-inventor: US Patent #6,668,254, *Method and system for importing data*. (Also patented in Europe, patent number EP1227411).

Activities

- Founder of the Philly Area Scala Enthusiasts Scala users group.
- Former co-organizer of the Northeast Scala Symposium.
- Co-organizer of the Philadelphia-area *Scalathon* Scala hackathon (2011, 2012).
- Member of the Association of Computing Machinery since 1983.

Education

B.A., Computer and Information Sciences (*Magna Cum Laude*)
Temple University, Philadelphia, PA

Elected to Phi Beta Kappa in my senior year.