

# Resume: Brian M. Clapper

Email: [bmc@clapper.org](mailto:bmc@clapper.org), [bmc@ardentex.com](mailto:bmc@ardentex.com)

## Professional Experience

**March, 2016, to present**

**Databricks, Inc.**, 160 Spear St., 13th Floor, San Francisco, CA 94105

***June, 2018, to present***

***Staff Data Engineer***

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

- led the migration of more than 700 tables and their corresponding pipelines from the Spark Hive Metastore to Databricks [Unity Catalog](#)
- build data pipelines to pull data from various SaaS products into our data lake, working closely with internal stakeholders
- help define and refine our data engineering infrastructure
- work with management to define strategic directions for our team
- mentor younger members of the team
- assist with hiring, as the team grows

***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 Walnut 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 through 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.