**Summary**

I am a passionate full-stack engineer eagerly seeking opportunities to create value for companies using technology. I have a track record of delivering effective solutions using JVM languages like Scala and have specialized in frameworks like Play and Spark. I look forward to leadership roles where I can have a significant, positive impact on the companies I work with and offer technical mentorship and guidance to my team.

**Experience**

**Buyside | Wayne, PA CTO (2/2018 –Present)**

* Managed multiple front-end and back-end teams to achieve a variety of company-wide initiatives and projects
* Oversaw system-wide rewrites and improvements while supporting existing systems and maintaining customer happiness
* Streamlined ETL processes to increase customer onboarding time by over 4x, drastically improving bottom-line revenue and cash flow position
* Worked closely with the business to maintain a balanced product roadmap focused on growth initiatives and customer happiness

**Chariot Solutions | Fort Washington, PA Consultant (3/2015 – 2/2018)**

* At Comcast, created a deep learning recommendations platform using Keras and TensorFlow
* At Comcast, built out the foundation of a modern data analytics platform using AWS and Kafka to stream and transform high volumes of data into manageable use in a data analytics pipeline.
* At Chariot, helped start a Big Data initiative which included running monthly strategy meetings, content creation for the website, and talking with clients about potential Big Data solutions.
* At Comcast, used Spark and Hadoop to collect transactional data into a database and built an application to provide data visualization and ad-hoc reporting.
* At Comcast, evangelized for developer productivity tooling like Swagger and automated Jenkins jobs to improve systems visibility and automate/document repetitive tasks.
* At IMS Health, built a web-based platform to allow business users to efficiently run and compose modular Spark jobs. Integrated data from dozens of sources to handle ingestion and extraction.
* At Angie’s List, helped to rewrite the PaymentService API using Play Scala and the Cake and Microservices patterns. Implemented Swagger UI to facilitate interactive API documentation, built a prototype for newer API version using Spray and Akka, and worked with operations to customize CircleCI and Docker scripts to accommodate the new API.
* At Angie’s List, enhanced the API and refactored large portions using Scala/Spray best practices. Designed and built an automated test framework in Scala/Spray to perform white-box testing of APIs and HTTP servers in any environment

**Point.io | Wayne, PA Senior Developer** (10/2013 – 3/2015)

* Developed a comprehensive authentication/authorization framework for the Point.io API
* Developed a BPM workflow engine and API in Play Scala leveraging the core Point.io API document platform and the open-source BPM Activiti library
* Developed front-end reactive marketing tools using the workflow engine and Ember.js
* As the "performance czar", developed cross-cutting solutions for JVM-based applications to track performance metrics, store them in MongoDB, and provide an interface to analyze the data
* Built a Play Scala application to interactively test the Java library of the core API using Specs2
* Led seminars on best practices for Scala/Play and wrote complementary blog posts to that end

**Mainstream Integration | Philadelphia, PA Co-founder/CTO** (10/2011 - 10/2013*)*

* Developed and maintained enterprise web applications focused on data integration for clients in healthcare and logistics industries using Play (Java and Scala), Knockout.js, and PostgreSQL
* Administered development and production environments on AWS by setting up web and database servers and monitoring these systems using Nagios and New Relic
* Responsible for database administration and development for PostgreSQL, Redis, and S3
* Performed basic sales functions by interacting with prospective clients, and performing systems evaluations to gather requirements and build proposals for custom technology solutions

**Planalytics, Inc. | Berwyn, PA Enterprise Application Developer** (6/2011 - 2/2013)

* Maintained and enhanced a SaaS suite of web applications built in JSF and Java
* Improved a proprietary Java framework for long-running jobs, resolving performance bottlenecks
* Wrote scripts for Oracle ETL transactions and for statistics processing using R
* Enhanced a proprietary widget framework built in Restlet and Freemarker
* Enhanced/modified SAP's BusinessObjects suite for use in internal/external reporting

**BDP Intl. | Philadelphia, PA Application/Integration Developer** (6/2009 - 5/2011)

* Used Java/Struts/JS to develop logistics applications used by several international companies
* Used integration tools (JCAPS) and PL/SQL to translate and process client data for ETL
* Interacted daily with the business owners to establish requirements and meet client needs
* Demoed web applications to both internal resources and prospective clients
* Earned awards for Team Dedication (March 2010), Customer Service (April 2010), and Process Improvement (November 2010) based on my work on our nationally-recognized ISF application

**Tufts University | Boston, MA ITS Student Trainer** (9/2008 - 7/2009)

* Helped administer training sessions for programs like MS Office, Mozilla, and Adobe
* Created a variety of learning manuals for these programs using MS Office and updated website information and graphics using Microsoft FrontPage 2003
* Provided individual tutoring sessions for students, faculty, and staff

**ACE USA Ins. Co. | Philadelphia, PA Actuarial Assistant** (07/2007 - 08/2008)

* Created actuarial models using Excel to justify rate changes and aid in writing insurance policies
* Manipulated databases using Access and other query tools to obtain historic data for actuarial exhibits to state insurance departments
* Improved communication skills by explaining actuarial models to sales/business departments
* Completed Exam P and Exam FM of the Society of Actuaries

**Personal Projects**

**DataCombinator |** [**http://www.datacombinator.com**](http://www.swingstats.com/) **| Launched 2014**

* Platform to facilitate the collecting and combining of data and expose via API endpoints
* Query engine allows querying data in various formats (JSON, XML, CSV)
* Templating allows for generation of HTML, RSS, and iCal files, to name a few

**play-jsonpath |** [**https://github.com/josephpconley/play-jsonpath**](https://github.com/josephpconley/play-jsonpath)

* Open source library which adds JSONPath expressions to the Play JSON library

**SwingStats |** [**http://www.swingstats.com**](http://www.swingstats.com/) **| Launched 2012**

* Originally written in Play 1.x Java to manage my fantasy golf league
* Enhanced to allow golfers to save scores, track their handicap, and review their statistics

**Education**

* MS Computer Science, Drexel University, 2012
* BS Mathematics, Economics (Minor: Philosophy), University of Scranton, 2007