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Summary

I am a passionate technology executive with a proven track record of delivering effective business solutions. I look forward to leadership roles where I can achieve big things while building a culture that allows my team to accomplish their own goals.

Experience

Trilogy | Austin, TX (Remote) | Product CTO (6/2022 - Present)
- Created high-level architecture specs that made important technical decisions shaping the hundreds of products of the ESW Capital portfolio
- Collaborated with Engineering to clarify spec requirements and guide implementation for software designed to scale cost-effectively on AWS
- Performed process-oriented optimizations for the organization using the concepts of Lean Manufacturing and Theory of Constraints
- Conducted investigative interviews and deep-dive research sessions to produce teardowns on highly complex systems and processes

Cecilian Partners | New Hope, PA | CTO (6/2020 - 6/2022)
- Took a struggling product and dysfunctional team and installed stronger process and clearer delineation of goals to help launch the product for the first round of clients
- Worked with the founders to identify and hire the appropriate technologists on the front-end, back-end, and data analytics functions
- Took direct ownership of DevOps and Data Architecture, refining processes that worked and replacing others that didn't
- Streamlined the client onboarding process, making use of best-of-breed data integration and transformation tools like Stitch and dbt
- Created a patented algorithm to perform geospatial tagging of neighboring lots

Percy (formerly Buyside) | Wayne, PA | CTO (2/2018 – 6/2020)
- Built front-end and back-end teams to achieve company-wide initiatives, balancing short-term revenue-generating projects with longer-term scale work to help stabilize and modernize the multi-tenant SaaS platform
- Built a custom ETL platform that increased customer onboarding throughput five-fold, drastically improving bottom-line revenue and cash flow
- Oversaw record growth in year-over-year revenue and client adoption (65% ARR growth)
- Led a data stabilization effort to improve the modeling and storage of the data to make it available via API for both internal applications and external vendors
- Worked closely with adjacent departments like customer success and account management to maintain a product roadmap focused on growth initiatives and customer happiness
- Established a culture of autonomy and productivity for the engineering department, leading to high retention and overall satisfaction.

Chariot Solutions | Fort Washington, PA | Senior Consultant (3/2015 – 2/2018)
- At Comcast, created a deep learning recommendations platform using Keras/TensorFlow
- At Comcast, built out the foundation of a modern data analytics platform using AWS and Kafka to stream high volumes of data for use in a data analytics pipeline.

- At Comcast, evangelized for developer productivity tooling like Swagger and automated Jenkins jobs to improve systems visibility and automate/document repetitive tasks.
- At Chariot, helped found a Big Data initiative which included running monthly strategy meetings, content creation, and talking with clients about potential Big Data solutions.
- 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.
- 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 to perform white-box testing of APIs and HTTP servers and used Swagger to document and test

Point.io | Wayne, PA | Senior Engineer (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 wrote a UI to analyze the data
- Built a Play Scala application to test the Java library of the core API using Specs2
- Led seminars on best practices for Scala/Play and wrote complementary blog posts

Mainstream Integration | Philadelphia, PA | Co-founder/CTO (10/2011 - 10/2013)
- Developed 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 and optimized a proprietary Java framework for long-running jobs
- 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, Customer Service, and Process Improvement based on my work on our nationally-recognized ISF application

ACE USA Ins. Co. | Philadelphia, PA | Actuarial Assistant (07/2007 - 08/2008)
- Created actuarial models using Excel to justify rate changes and write insurance policies
- Manipulated Access databases to obtain historic data for state insurance departments
- Completed Exam P and Exam FM of the Society of Actuaries

Personal Projects

DataCombinator | http://www.datacombinator.com | **Launched 2014**
Platform to facilitate the collecting and combining of data and expose via API endpoints

SwingStats | http://www.swingstats.com | **Launched 2012**
Free platform 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