**Skills**

* Languages and Frameworks
  + **Day to Day:** Typescript ◦ JavaScript ◦ Node ◦ React ◦ Python ◦ Flask
  + **Previous Projects:** Scala ◦ Akka ◦ Java ◦ Spring ◦ Neo4j ◦ Apache Spark ◦ Vue
  + **Dabbled**: Rust ◦ Clojure ◦ Haskell
* Infrastructure
  + **AWS**: EC2 ◦ ECS ◦ Lambda ◦ ALB ◦ Route 53 ◦ IAM ◦ Cognito ◦ Cloudformation ◦ Terraform ◦ CDK
  + **General**: git ◦ nxinx ◦ Apache Tomcat ◦ Docker ◦ Jenkins
* Other
  + **Architecture:** REST ◦ Event Sourcing/CQRS ◦ Domain Driven Design
  + **Process**: Agile/Scrum ◦ Functional/Technical Specifications ◦ User acceptance testing ◦ Go-live/production support

**Relevant Experience**

***Capital One Wilmington, DE.***

*Lead Software Engineer - Platforms Data & Architecture* **December 2020 – Present**

***Chariot Solutions Fort Washington, PA.***

*Software Architect/Technology Consultant* **May 2017 – December 2020**

**December 2019 - July 2020**

* Engineer/Consultant for a startup in the neuroscience space; a cloud native big data platform
  + Persistence: Postgres, Neo4j
  + Server: REST services written in Scala/Akka, Python/Flask, and Node
  + Infrastructure: ECS, Lamda, Cloudwatch, resources managed via Terraform
  + Front-end: Vue

**Jun 2019 - December 2019**

* Lead Engineer - Multi-tenant application; built on AWS; for an IoT power management startup.
  + Persistence: Postgres RDS instance
  + Server: Node REST service, dockerized and running in ECS
  + Infrastructure: Cognito, Application Load Balancer, resources managed via Cloudformation
  + Front-end: React 16.8, heavily leveraging the hooks and context APIs.

**May 2017 - June 2019**

* Senior Engineer - Multi-tenant application automating the processing and tracking of Domestic and International wire transfers.
  + Persistence: Event Sourcing/CQRS via Cassandra and PostgreSQL
  + Server: Distributed microservices based on the Actor Model - written in Scala with the Akka toolkit
  + Infrastructure: RabbitMQ message broker, API gateway via Nginx, Docker containerization of all services
  + Front-end: React, Redux, RxJS

***Drexel University Philadelphia, PA.***

*Drexel Database Group* **2017**

* Contributor - Portal DB - a system for the exploration of evolving graph data structures: <https://portaldb.github.io/home/#/>

***ThomsonReuters Media, PA.***

*Senior Software Engineer – Accounting* **Aug. 2015 – May 2017**

***SAP Newtown Square, PA.***

*Senior Application Consultant – Supply Chain Execution (TM/EWM)* **Dec. 2011 – Aug. 2015**

***The Boeing Company Ridley Park, PA.***

*Supply Chain Analyst* **Aug. 2009 – Nov. 2011**

**Education**

***Drexel University* Philadelphia, PA.**

Master of Science, Computer Science

***The Pennsylvania State University* University Park, PA.**

Bachelor of Science, Supply Chain and Information Systems