**Skills**

* Code
  + **Day to Day:** Typescript/JavaScript/Node/React ◦ Python/Flask ◦ Java/Spring
  + **Previous Projects:** Scala/Akka ◦ Vue
  + **Dabbled**: Rust ◦ Clojure ◦ Haskell
* Data
  + **Relational**: Postgres ◦ MySQL ◦ Oracle DB
  + **Non-Relational**: Redis ◦ DynamoDB ◦ Cassandra ◦ Neo4j
  + **Analytics:** Snowflake ◦ Apache Spark
* Infrastructure
  + **AWS**: VPC ◦ EC2 ◦ ECS ◦ ALB ◦ Lambda ◦ Route 53 ◦ IAM ◦ Cognito ◦ Cloudformation ◦ Terraform ◦ CDK
  + **General**: nginx ◦ Apache Tomcat ◦ Apache Kafka ◦ Docker ◦ Jenkins
* Architecture
  + **Systems Design:** Event Sourcing ◦ Domain Driven Design ◦ Actor Systems ◦ Message Brokers ◦ REST
  + **Process**: Git ◦ Agile/Scrum ◦ CI/CD ◦ Test Driven Development ◦ Behavior Driven Development

**Relevant Experience**

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

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

* Synchronizing updates to customer data with Apache Kafka
* Creating a singular home for product definition, with services written in Node and Python
* Driving the adoption of enterprise CI/CD pipeline technology

***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
  + A Vue app backed by REST services written in Scala and Python, persisting to Postgres and Neo4j databases
  + Infrastructure: ECS, Lamda, Cloudwatch, Terraform

**Jun 2019 - December 2019**

* Lead Engineer - Multi-tenant application; built on AWS; for an IoT power management startup.
  + A React app backed by a Node REST service, with persistence in a Postgres RDS instance
  + Infrastructure: ECS, Cognito, ALB, Cloudformation

**May 2017 - June 2019**

* Senior Engineer - Multi-tenant application automating the processing and tracking of Domestic and International wire transfers.
  + Distributed microservices based on the Actor Model - written in Scala with the Akka toolkit
  + Persistence: Event Sourcing/CQRS via Cassandra and PostgreSQL

***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