

Matthew T. Gilbride

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

Lead Software Engineer - Platforms Data & Architecture

Wilmington, DE.
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

Software Architect/Technology Consultant

Fort Washington, PA.
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, Lambda, 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

Drexel Database Group

Philadelphia, PA.
2017

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

Thomson Reuters

Senior Software Engineer – Accounting

Media, PA.
Aug. 2015 – May 2017

SAP

Senior Application Consultant – Supply Chain Execution (TM/EWM)

Newtown Square, PA.
Dec. 2011 – Aug. 2015

The Boeing Company

Supply Chain Analyst

Ridley Park, PA.
Aug. 2009 – Nov. 2011

Education

Drexel University

Master of Science, Computer Science

Philadelphia, PA.

The Pennsylvania State University

Bachelor of Science, Supply Chain and Information Systems

University Park, PA.