

Matthew T. Gilbride

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

Lead Software Engineer - Platforms Data & Architecture

Wilmington, DE.

December 2020 – Present

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
 - Persistence: Postgres, Neo4j
 - Server: REST services written in Scala/Akka, Python/Flask, and Node
 - Infrastructure: ECS, Lambda, 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

Drexel Database Group

Philadelphia, PA.

2017

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

ThomsonReuters

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.