Matthew T. Gilbride

Skills

- Experience in all facets of the software development lifecycle due to positions in software consulting, engineering, and support:
    - Infrastructure: Docker containerization, various AWS services: EC2/ECS, ALB, Cognito, and Lamba among others
    - Web: SPA frameworks as well as traditional web architectures
    - Server: Various architectures including traditional MVC, REST microservices, Event Sourcing/CQRS
    - Project management functions: project planning, specification writing, agile/scrum methodologies.
    - Unit, integration, performance, and user acceptance testing
    - Go-live and production support

- Programming Languages (in order of fluency):
    - JavaScript, TypeScript, Scala, Java, Python, Clojure, ABAP, VBA, Haskell

Relevant Experience

Chariot Solutions   ***Fort Washington, PA.***
Software Architect/Technology Consultant   **May 2017 – Present**

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