

James Salvatore Keener

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Skills (No particular order)

Algorithms	Data Structures	Java	SQL	Go	Python	Linux	Teaching
Mentoring	git	PostgreSQL	PostGIS	pg-routing	QGIS	FreeBSD	BASH
Ruby	R	JavaScript	PHP	Laravel 4&5	LaTeX	SOAP	REST
Redis	C	MySQL	C++	ElasticSearch			
Amazon Web Services (AWS)	Google Cloud Platform (GCP)			Basic Cryptographic Principles			

Employment

Senior Software Engineer

Feb. 2020 - Sept. 2020

Gridwise

Pittsburgh, PA

- Designed and built multiple Go microservices utilizing PostgreSQL and Google Cloud PubSub.
- Improved database queries and data processing in a Ruby-on-Rails and PostgreSQL application.
- Extended a FastAPI-based Python and PostgreSQL application.

Software Engineer

Feb. 2017 - Feb. 2020

Missouri Star Quilt Company

Hamilton, MO (Remote)

- Interpreted problem reports quickly, turning reported symptoms into root-causes and proper solutions
- Spent time shadowing different processes to better understand and predict problems
- Optimized SQL queries for reporting (OLAP) and application (OLTP) use
- Improved site search relevancy and indexing speed
- Coordinated with multiple teams to create end results that solve business problems
- Helped define GDPR and PCI compliance tasks after reading the relevant standards
- Worked with vendors to resolve issues in a timely manner
- Worked on updating and expanding Laravel 4 and 5 PHP applications.
- Aided in defining the future architecture of the applications
- Customized a Point-of-Sale system based on F/OSS to interface with existing databases and storage.
- Centralized logging and metrics in order to build queries, dashboards, and alerts
- Aggressively added promotion-aware caching to the ecommerce site
- Designed and implemented AWS-based infrastructure deployed via CloudFormation
- Built keyboard-driven Vue.js-based single-page applications for internal use

Software Engineer / Data Architect

May. 2015 - Jan. 2017

LunaMetrics

Pittsburgh, PA

- Taught clients how to write and conceive SQL queries through one-on-one consultations
- Acted as a technical resource for coworkers and clients
- Mentored new employees
- Coordinated and taught educational lecture series for coworkers
- Generated complex analytics SQL queries for Google BigQuery to tease out answers to client questions
- Converted event streams into structured data using Google Cloud DataFlow/Apache Beam (Java)
- Presented results of machine learning in non-technical document
- Performed Machine Learning to understand customer behavior with R, Python, and SQL
- Designed and built Java-based Google AppEngine apps for internal use

Education

Master of Science in Civil Engineering

Jan. 2013 - Dec. 2014

University of Pittsburgh

Pittsburgh, PA

Program: Transportation Engineering

Interests: Planning, ITS, & Alternate Transportation

Bachelor of Science
University of Pittsburgh
Majors: Mathematics & Molecular Biology

Aug. 2004 - Dec. 2008
Pittsburgh, PA
Minors: Computer Science & Chemistry

Volunteer Work

Member (Current President)
Allegheny County Transit Council

Sept. 2014 - Present
Pittsburgh, PA

Member / Cartographer
Pittsburghers for Public Transit

Aug. 2014 - Present
Pittsburgh, PA