Aaron J. Gaba

Columbus, Ohio
(614)-558-1548
Citizenship: US & Canadian

AJGaba.com
GitHub: ajgabz
Aaron.J.Gaba@gmail.com

Education

McGill University — Montreal, QC
BSc Computer Science (Math Minor) — Grad: December 2016
Major GPA: 3.59 / 4.0

Skills

Programming Languages:	Java, Python, C, Common Lisp, SML
Web Development Languages:	HTML, CSS, JavaScript
Databases & Database Languages:	PostgreSQL, DB2, Redis, SQL, XML Schema, XPath, XSLT
Math & Statistics Packages:	MATLAB, R, IBM SPSS
Frameworks & Libraries:	Flask (Python), jQuery (JavaScript), JDBC (Java), Swing (Java)
Software Development Tools:	Git, SVN, Maven, Eclipse

Work Experience

Ohio Public Employees Retirement System (OPERS) — October 2017 – Present
Programmer Analyst

- Maintained and implemented new designs in Java pension savings programs to handle changes in Ohio retirement and pension law.
- Designed ETL processes for uploading daily bank deposit data into OPERS' accounting system.
- Oversaw the redesign of OPERS' pension data exchange system to incorporate their new pension datastore.
- Automated generation and archiving of Revenue Voucher Treasurer Reports via REST and SOAP services.
- Devised and implemented system integrations for task and workflow automation between legacy Java applications on z/OS and Windows-based SSRS and ECM software.
- Optimized SQL queries in programs and reports; reduced querying time for fund allocation reports by 85%.
- Collaborated with Accounting in the design and implementation of B.I. solutions for account reconciliation.

Personal Projects

McGill Work Study Database & Web Client — Python, PostgreSQL, JavaScript
https://mcgill-workstudy.herokuapp.com/

- Engineered a database-powered solution for McGill University's Work Study application list as a replacement for their 140-page static CSV file posted online.
- Scraped and sanitized 6,370 public financial aid records from McGill's servers.
- Modeled financial aid data and created the corresponding SQL schema.
- Constructed a database API using stored procedures to abstract away the underlying SQL internals from client applications.
- Implemented a full stack web client using Flask, AngularJS, and Bootstrap, which allows students and employers to easily view the status of Work Study applications.

LilLink — Python & Redis
https://lil-link.herokuapp.com/

- Designed and deployed a minimalistic URL shortener.
- Implemented a RESTful API for handling URL keys and values through a lightweight Flask backend.
- Employed a Redis datastore for the rapid generation and retrieval of URL keys and values.

TalkingKeyboard — JavaScript & CSS3
http://ajgaba.com/talking-keyboard

- Designed a multimedia educational tool for learning touch-typing; demonstrates front-end tech.
- Composed animation and graphical effects through the coupled use of jQuery and CSS.
- Incorporated CSS3 for a responsive design and usability across all mobile and desktop devices.