Paul J. Anderson

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**Software Developer**

Data Engineer and 10-year veteran of the web industry. Proven analytical and intuitive problem solver with deep knowledge of business intelligence, relational database management, data modeling and ETL development. Quick-learning and creative programmer seeking challenging work in an innovative environment. Skilled at extracting business insights from large datasets and communicating technical complexities to non-technical stakeholders.

**TECHNICAL SKILLS**

**Programming Languages:**

* Database: Microsoft SQL Server, PostgreSQL , MySQL
* Object-Oriented: Python, Objective-C, PHP

**Design Patterns:**

* Relational Data Modeling and Data Warehouse Design
* Master Data Management
* MVC

**ETL, BI, Analytics, Cloud and Dev Tools:**

* CloverETL
* Cloud Computing: Microsoft Azure, AWS, Google Cloud
* Tableau
* Linux/Bash command line tools and shell scripting

**EXPERIENCE**

**Senior Freelance Software Developer,** Rational Interaction, Seattle, WA (Sept. 2017 – Present)

Rational Interaction is a full-service marketing agency.

* GTM Demand Generation: Developed SQL infrastructure and Python ETL code for a digital marketing data warehouse.

**Business Intelligence Software Developer,** Accretive Technology Group, Seattle, WA (Aug. 2015 – Dec. 2016)

Accretive Technology Group is an industry-leading developer of enterprise-scale streaming video technology. Projects included:

* Data Warehouse: Collaborated on design of ETLs and MySQL snowflake schemas to disambiguate and store 15 years of financial transaction data
* Python Cloud ETLs: Developed a proprietary ETL library in Python for data transfer to Google BigQuery, featuring implementation of BigQuery and MySQL libraries and a fast join algorithm.
* Business Analytics: Used Tableau to gather deep insights into user spending behavior patterns.

**ETL Engineer,** Porch, Seattle, WA (Sept. 2013 – May 2015)

Porch is a startup focused on disrupting the home improvement market, using big data to connect homeowners with qualified professionals. Projects included:

* Organization Ingestion: Developed an ETL process for ingesting, cleaning, analyzing, validating large raw datasets (up to 16 million records). Created aggregation algorithms for matching business partners’ data to Porch’s models.
* JSON Company Management: Developed an all-purpose ETL harness for accessing and updating normalized MDM data as JSON payloads via REST APIs.
* Project Identity: Developed a natural keyset analysis process to detect duplicate data.
* Training: Trained junior staff on PostgreSQL, Data modeling principles and Excel.

**Paid Search Marketing Analyst,** Mercent Corporation, Seattle, WA (Dec. 2011-Jan. 2013)

Mercent is a digital marketing technology and agency services company. Primary duties included data-driven analysis and management of Search Engine Marketing (SEM) campaigns for digital retail sites. Projects included:

* Del Mar Designs: Ceiling fans and Lighting (delmarfans.com)
* EyeSave: Discount Eyewear (eyesave.com)
* Forplay Catalog: Apparel (forplaycatalog.com)

**Senior Campaign Manager,** Marchex, Eugene, OR & Seattle, WA (Dec. 2007 – Dec. 2011)

Marchex is a call advertising and small business marketing company. Duties included SEM management and digital marketing for clients with annual ad spend over $1M. Clients included:

* AT&T Interactive
* Real Networks
* Radisson Hotels
* PRIMEDIA

**VOLUNTEER SERVICE**

**St. Vincent DePaul Food Bank,** Corvallis, OR (Jan. 2017 – Ongoing)

* Developing a secure database to ensure the privacy and safety of vulnerable citizens in need of food.
* Acting as a consultant for addressing the organization’s technology needs.

**Hollow Earth Radio,** Seattle, WA (Jan. 2013 - Ongoing)

* Archived and documented digital audio recordings of live musical performances.
* Performed setup and Front-Of-House mixing for concerts in a variety of venues.
* Trained other volunteers on live audio production basics.