

Jonathan Seller

Software Developer

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Professional full-stack software developer with experience in Sales Automation, Supply Chain Logistics, Requirements Engineering, Marketing Analytics, Public Transportation, Business Intelligence, and Financial Services.

[linkedin.com/in/jseller](https://www.linkedin.com/in/jseller)

<https://bitbucket.org/jseller>

<http://github.com/jseller>

Skills

Applications and Data

React, JavaScript, html & css

Python • Java • C++

Postgres, MySQL, Redis, Bigquery, ElasticSearch

Devops and Platform

Docker • docker-compose • Linux

GCP, AWS, Azure, Linode

Jenkins CI, Bitbucket Pipelines, Github Actions

Product Requirements

Roadmap Strategy, Feature Releases, DDD

BDD with User Stories and Personas

Agile (Scrum/Kanban) and Waterfall process

Experience

Principal Technical Architect Tealbook (May 2022-Present)

Led design and development of a new Supplier Data Platform

- Python/Flask API with distributed data
- Product Architecture for Supplier Data APIs and Pipelines, Requirements Development using BDD
- Data Science ELT pipeline using Airflow/GCP Composer with Cloud SQL Postgres dbs
- CI/CD with github, Docker with automated TDD, functional (karate) and load (locust) Testing
- GCP BigQuery, Cloud Functions, PubSub event driven architecture

Senior Software Developer Nylas (Feb 2021-May 2022)

API development for rapidly scaling Email, Calendar and Scheduling product

- Python 2.7 and 3.8 Development using BDD and TDD techniques
- Product Architecture for Scheduling API
- Observability with Sentry, Honeycomb, Kibana. CI/CD with github, Docker, Harness

Director, Product Integrations Proposify (March 2020-Feb 2021)

Managed squads, ran sprints, and version releases using BDD and Kanban

- Projects using BDD and Kanban
- API-first functionality to support clients (Appexchange, API) with the product stack
- Integrating the stack with sales tech (salesforce, hubspot, zoho)

Software Engineer QRA (March 2018 - March 2020)

Designed functional requirements specifications with EARS and BDD to formalize requirements for validation and verification.

- Java OAuth2 authorization server with Spring, Postgres, Couchbase
- C# Windows VSTO development and AngularJS development for Office365 clients
- NLP development using apache open nlp and Spacy.io
- Jenkins, Release Management for Azure and on-premise install

Lead Developer Swept (January 2017 - March 2018)

Hired and mentored a team of Developers and QA and scaled architecture that

decreased AWS cost by 70% while client base increased by 150%.

- Scaling a HTML/JQuery/PHP Laravel app for 10-25k users
- MySQL, Redis, AWS Aurora
- Code management, code review and Release Management for AWS
- Continuous Integration with automated testing (Gherkin/pytest-bdd)
- Completed due diligence for VC, investment of ~2 Million CAD

VP, Product and Technology InNetwork (March 2014 – July 2016)

Sold to gShift March 2016. First technical employee, grew a team of engineers and directed product strategy using Roadmapping, Personas, User Stories and Acceptance Criteria.

- Python Django/Celery with JQuery/Bootstrap
- Postgres, RabbitMQ, Redis, ElasticSearch
- CI/CD with Jenkins. Monit, Datadog on AWS and Linode

Lead Member of the Technical Staff Salesforce (radian6) (October 2010 – March 2014)

Senior Developer/Team Lead for radian6 dashboards and salesforce marketing cloud social studio applications.

- SQL/NoSql databases, queueing (MQ), caching (Redis, memcached) MongoDB, Postgres, Redis
- JQuery/SalesforceUI Java (Struts and Dropwizard) web applications
- TDD (JUnit), BDD (Selenium with jenkins) CI/CD with Jenkins

System Architect Vizible (Sept 2005 - Jan 2010)

Lead Developer for 3D content browsing platform.

- Event-based 3D User Interface using JavaScript with XPConnect/Spidermonkey engine
- C++, STL, Boost, Mozilla/XPCOM and Ogre 3D engine
- Multi-threaded Networking library that reduced response times by 4000%

System Architect Trapeze (Constellation Software) (June 2001 - May 2005)

Designed and implemented a scalable framework for delivering transit content to Internet devices.

- XSLT for client devices; XHTML with XForms, XFrame and RelaxNG

validation

- C++ Framework on Trapeze Core Framework (WIN32 platform)

System Architect 724 Solutions (August 1999 -June 2001)

Mobile clients for banking and brokerage applications.

- UI for small devices: HDML, WML, and HTML early specifications.
WAP/WML browsers and gateways
- development of XSLT processor, C++ server

Education

Mathematics with Computer Science

University of PEI

Honorable Mention in APICS/IEEE Computer programming competition