

Adam Wisniewski | Toronto / Oshawa, Ontario | adamw@tbcn.ca | 905-999-7514

- Long time Full Stack Developer with some Machine Learning experience
- UNIX / Linux / Docker cloud infrastructure architect and maintainer
- Aspiring Open Source contributor with minor contributions to Jupyter Notebook Viewer, scikit-image, and Ripple-UI by Research In Motion

TouchBase Consulting Inc. – Freelance Full Stack Developer and Systems Architect

2001 – Present

- Performing entire project life cycle management and development – requirements gathering, solution architecting / proposing, project management, and post development support
- Developing and performing administrative tasks of Java EE, Ruby and PHP applications deployed on mixed Linux and Windows environments
- Developed Web and Desktop (SWING and SWT) applications
- Clients include: Three Wise Men Software and Development, Rogers Communications, Ontario Government, Cornell University, Blue Cat Design, Upward Motion
- Recent client project: Weather data reporting system performing ingestion, ETL and SQL export
 - Backend: Python, Celery, Elasticsearch, Redis, InnoDB, Grafana, Jupyter Notebooks, Flask
 - Ingest of three NOAA weather feeds: ISD (Integrated Surface Data), current XML weather, and GFS (Global Forecast System), deployed on Docker in Amazon's EC2

Format Inc. – Full Stack Developer

May 2014 – April 2016

- Implemented API integrations including Facebook, Twitter, Amazon S3, MailChimp, Disqus, Tumblr
- Led backend development team on new products such as Format Magazine
- Contributed to code in the full stack, from database to backend to frontend supporting the existing product as well as developing new features in a Ruby on Rails environment

Project X Labs – Senior Software Engineer

November 2011 – May 2014

- Development and operations of a Ruby on Rails SaaS application providing mapping visualizations on top of the MicroStrategy BI platform
- Plugin development with the MicroStrategy Java SDK
- Integration of Google Maps Enterprise and OpenStreetMaps APIs
- Mapping data management and querying utilizing PostGIS
- Search indexing with Thinking Sphinx
- Deployment and system provisioning with Chef at Engine Yard and Vagrant VMs

LookSmart Canada – Senior Software Engineer

- *June 2011 – November 2011*
- First Canadian engineer in team transition from San Francisco to Waterloo, Ontario
- Maintenance, support, and feature development for a Ruby on Rails application with an Oracle DB
- Interviewing, hiring and mentoring software engineers
- Assessing, diagramming and documenting system architecture and business processes

Unspace Interactive – Ruby on Rails Developer

April 2010 – June 2011

- Full stack development of Ruby on Rails based client projects in various industries
- Problem solving for HTML5 / Javascript and browser compatibility issues
- Major Projects include:
 - Girth Music (<http://www.girthmusic.com/>) - A web based music discovery engine
 - Leadformance (<http://www.leadformance.com>) – SaaS application providing business locator, promotions management, simple CRM and other features

Watermark Insurance – Developer (Contracted by Three Wise Men)

October 2009 – April 2010

- Maintenance and development of back office integration with Insurance Providers (RBC, Manulife)
- Development of a backend project running on the GlassFish J2EE platform
- Development of front and back end projects using JRuby and the Ruby on Rails Platform

Mosaic Sales Solutions – Interactive Developer

May 2008 – June 2009

- Developed Brand Management System – A Ruby on Rails based content management system hosting various clients marketing sites
- Integrated with the Facebook API

TSOT Inc. – Senior Developer

September 2007 – February 2008

- Ruby on Rails development of Sorority and Fraternity Social Networks.
- Integration and setup of Ferret – A Ruby text search engine library.
- Architecting Virtualization techniques for Development / QA / Production techniques.
- Setup and Maintenance of production infrastructure.

TD Securities – Software Developer (Contracted by Procise Consulting)

May 2007 – October 2007

- Development, Business Analysis and Data Transformation duties as part of a 15 person team.
- Replace TD Securities legacy Fixed Income trade management platform with the Calypso platform.
- Designed and programmed Data Transformation processes to facilitate data query and transfer from a legacy iSeries AS/400 DB2 backed platform to the new platform backed by Oracle 10g.
- Developed performance testing procedures and applications.
- Designed and implemented systematized project build process.

Three Wise Men Software Development and Consulting

October 2004 – March 2007

- Managed the professional services division of a 5-8 person software development company
- Performed project management of small development teams adhering predominantly to Agile Software Development framework principles
- Maintained stakeholder liaison with various corporate clients (Rogers Communications, Inc., Aviva Canada, Lakeridge Health and others)
- Developed web applications on Java EE (JBoss, Geronimo), Microsoft .Net, Ruby on Rails
- Developed a proprietary reporting format (TWM-REP) consisting of Jasper Reports, custom scheduling scheduling with a web based administrative component
- Developed Java EE Portlets for deployment on the JBoss Portal server

Recent Education and Talks

Exploring Text - A Machine Learning Meetup Talk

<https://github.com/adamw523/exploring-text>

- Exploring creation of Chatbots based on a movie quotes corpus
- Data ingestion and transformation using Pandas and Numpy
- N-Grams, Term Frequency, and Inverse Document Frequency for classifying textual data
- Sentiment analysis based on a corpus of movie reviews

Introduction to AI Development Tools

<https://www.meetup.com/AINorth/events/232810787/>

- Exploring the use of Docker and Jupyter Notebooks for Machine Learning

Machine Learning Engineer Nanodegree by Udacity

Currently progressed 4/6th through the Machine Learning Nanodegree by Udacity. Projects include:

- Supervised Learning in exploring the Titanic Survivor's Data
- Supervised Learning in Predicting Boston Housing Prices
- Unsupervised Learning in Creating Customer Segments from sales data