

John Dimm

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<http://www.johndimm.com/>

<http://www.linkedin.com/in/johndimm>

Full Stack Lead and Data Engineer

Highly effective in roles ranging from SQL maven to full stack developer to hands-on manager to individual contributor.

I am looking to join a small team at a small or medium-sized company, working on challenging tasks with talented people. The ideal position would offer an opportunity to learn more about analytics, data pipelines, data science, natural language processing, machine learning, and software craftsmanship.

(This is my short resume. For more, please see the longer versions on my website.)

Skill Summary

- MySQL, PostgreSQL, Lovefield
- SQL, Javascript, Python
- Map/Reduce using Hadoop and Pig
- Data Pipelines and ETL processing
- Amazon Alexa Skills
- Google Chrome Extensions
- Recommender systems
- Machine Translation

Work Experience

2020 - present Eleventh Hour Software Engineer Global

- Topical Search Engine for green products
- Likes, Comments, Recommendations
- React, Redux, Express
- PostgreSQL

2018 – 2019 Zuora Senior Software and Data Engineer

- Utilization history for Insights
- Revpro/Zuora Bookings Reconciliation
- Cerebro data aggregator
- PostgreSQL, Python, Angular

2015 – 2018 Acculitx Senior Data Engineer

- FICO-like score for driving behavior
- Responsible for all software development and operations
- Based on accelerometer data from installed devices or cellphone
- back-end: mySQL, python, php, celery asynchronous task queue
- front-end: angular, react, jquery
- hosted on Amazon Web Services
- passwordless login

2011 – 2014 SYSTRAN Director of Software Engineering

- A pioneer in Machine Translation
- The engine that powered Babel Fish, the first online translation service
- Merging statistical methods with a rules-based system
- Named Entity Recognition

2008 – 2010 Photometria Director of Engineering, Software Developer

- E-commerce using Amazon and linkshare
- Facebook desktop widgets
- Computer Vision algorithms in openCV and
- openGL
- Google Maps mashups
- Recommendations

2007 – 2008 Veoh Networks Director, Search & Analytics

- Metrics
- Video Recommendations
- Hadoop, pig
- Recommendations as Behavioral Search
- Interactive drill-down reporting interface
- Virtual Database management system
- SQL on MySQL and Oracle
- Data Warehouse
- teams in San Diego and St. Petersburg, Russia
- Reporting for large SQL Server databases
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2000 - 2004 Websense Chief Scientist

- Tools for management of hybrid human/computer classification
- Support Vector Machines
- Digital Fingerprint
- as director, managed teams of 8 to 45 developers in San Diego

Education

Princeton University

- full fellowship in History and Philosophy of Science
- Linguistics
- Metaphysics: the problem of identity over time
- Decision Theory: Newcomb's paradox
- Logic, Model Theory
- Frege and the Foundations of Mathematics

University of Washington

- Ethnomusicology
- Philosophy
- Linguistics
- Mathematics
- B.S. Mathematics, B.A. Philosophy
- cum laude, Phi Beta Kappa

Products and Personal Projects

2019: TalkShow for Alexa

- Alexa Skill for Echo Show of Fire TV Stick
- Bing (Azure) image search
- Flickr image search
- Slideshow of found images
- Available now on amazon.com

2019: Breakdown for Mint and Personal Capital

- Google Chrome Extension
- Slice and dice financial data
- React
- Google's Lovefield javascript dbms

2018: What Looks Good?

- Yelp Dataset Challenge
- structure from unstructured data
- Python NLTK
- React
- MySQL

2013: The Translating Telephone

- continuous voice-to-voice translation
- video conferencing using WebRTC
- Bing or Systran translation
- Web Speech API
- Google Chrome browser
- javascript

2013: Interpreter

- Hands-free continuous voice-to-voice translation on the web
- Web Speech API
- Bing Translator API
- Google text-to-speech

2013: TalkShow Story Illustrator

- pictures of the things you're talking about
- Web Speech API
- Alchemy API for NER

2008: Veoh Discovery

- Recommendations based on video viewing behavior
- Behavioral search
- Hadoop and Pig

2004: Websense Explorer

- interactive drill-down reporting interface
- on-the-fly summarization
- high volume log processing
- Virtual Database management system

1999: Topic Miner and Context Wrapper

- LinguistX extracted noun phrases from free text
- fuzzy matching to titles of encyclopedia articles
- display of article images and text extracts as marginalia

Patents

2008: Search system using patterns of behavior (pending)

- use of recommendation technology to implement a search function

2007: System and method of monitoring and controlling application files (granted)

- identification of Windows software by hashing executable files
- removal of Import Address Table
- C# program to facilitate the manual classification process

Publications

2001: Presenting content one slide at a time (web techniques)

- Javascript slideshows implemented 4 ways

1991 : A tiny Windows Class Library (Programmer's Journal)

- first published Windows class library
- create a generic Windows app in five statements