

Dan Chrostowski

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Technical Skills

Likes: python perl web-scraping web-crawler c linux java android git embedded-linux sql
Dislikes: applescript vba goto

Experience

Software Engineer – Quixey | Mountain View, CA *Oct 2016 → Mar 2017*
python, web-crawler, linux, distributed-computing, architecture, git, scrapy, node.js, phantomjs, xpath, css-selectors, html, dom, amazon-ec2, frontera

Note: This company went out of business.

- Senior member of the team with expertise in web crawling and scraping
- Co-architect and developer of our crawling infrastructure
- Writing web crawlers in a distributed computing environment

Full-Stack Application Developer (remote, part-time) – Noravand | Burbank, CA *May 2015 → Nov 2016*
php, linux, git, centos, javascript, jquery, model-view-controller, gitlab-omnibus, html, css

Note: In the past I did on-site consulting for this company but moved on to more occasional remote consulting.

- Development of web applications written in PHP, JavaScript, and jQuery for clients and customers.
- Use of MVC design framework in implementation.
- Mobile app development for Android and iOS devices using the Apache Cordova framework.
- Solely responsible for maintaining most of company's servers and infrastructure.
- Built our development server from the ground-up, implemented GitLab and Bugzilla among others.

Software Engineer – eGauge Systems LLC | Boulder, CO *Jan 2016 → May 2016*
python, django, linux, embedded-linux, git

- Developed and maintained the company's website utilizing the Django web framework
- Assisted with maintaining embedded software on eGauge device

Software Engineer – Connectivity Inc. | Burbank, CA *Oct 2014 → Nov 2015*
perl, moose, web-crawler, node.js, data-mining, web-scraping, git, github, phantomjs, agile, scrum

Note: This company went out of business.

- Writing web crawlers implemented in Perl and its Moose extension.
- Development of desktop utility that interfaces with DIVA video archiving system using its native Java API
- Designing and developing data mining & aggregation systems.
- Work with utilizing and exposing web service clients and web APIs.
- Improved crawling infrastructure capabilities by designing and implementing a new headless browsing module leveraging PhantomJS and Node.JS.

Software Developer – Encompass Digital Media, Inc. | Los Angeles, CA *Jul 2013 → Jul 2014*
perl, cgi, jquery, javascript, web, web-services, java, c++, html, css

- Design, development, implementation of automation software solutions
- Desktop and web-based application design and development
- System administration and maintenance

Applications Developer – ACCO Engineered Systems, Inc. | Glendale, CA *May 2012 → Jul 2013*
extjs, javascript, sql, java, perl, rest, soap

- Implementation of BIRT automated report system with Java API
 - In-house web application design, development, implementation, and maintenance.
 - Evaluation and implementation of third party systems.
 - Systems administration.
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Education

B.S. Computer Science – Marquette University

2007 → 2011

java, big-o, c, unix, operating-system, network-programming, data-structures, algorithm, assembly, database, sql, linux

- Granted a computer science/engineering scholarship by Marquette University.
- Passed and completed courses in object oriented programming, data structures & algorithms, operating systems, networks and internets, and databases.
- Recruited to work on Marquette University's electric vehicle project (eLIMO).
- Proposed and conducted an independent study project with the College of Engineering.
- Competed on Marquette's ACM International Collegiate Programming Contest team.

Projects & Interests

Investing & Programming - A "Quantamental" Approach (Denver, CO)- Meetup – <http://www.meetup.com/Investing-Programming-Quantamental-Approach/>
web-crawler, web-scraping, python, r, perl, linux, rstudio-server, gitlab-ci

While not yet fully defined, the main goal is to leverage different technologies to aid in investment strategies and financial data analysis beyond what is commonly available and accessible to the industry.

My role primarily entails programmatically gathering financial data usually by way of web crawling. The data is then stored into either a MySQL database or MongoDB instance, whichever is appropriate, and used for later analysis and testing.

Apps & Software

Marquette University eLIMO (2011 team) – <http://muelimo.com/>

java, c, can, serial-port, motor-controller, batterymanager

Conversion of an internal combustion engine van to a fully electric "green" vehicle

- Recruited on to the team for my senior design project
- Worked on the design, development, and implementation of a user interface for the vehicle which displays the speedometer, odometer, and battery gauge
- Later continued the project solo to improve upon my work in my final semester as an independent study for the College of Engineering.

Tools

First Computer: Acer Aspire Laptop

Favorite Editor: atom, vim, eclipse