

C. David Sanders

Software Developer

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Objective: To make valued contributions to industry-leading organizations using cutting-edge software technologies and a broad knowledge of languages, libraries, and platforms.

Education & Coursework

- 2014–Present **Machine Learning Coursework**, Coursera, Online.
Machine Learning (Andrew Ng), Neural Networks and Deep Learning (Andrew Ng).
- 2013–Present **Engineering Coursework**, University of Colorado, Boulder, CO.
Calculus 2 & 3, Computer Systems, Linear Algebra, Discrete Mathematics, Algorithms, Principles of Programming Languages. 3.86 GPA.
- 2005–2009 **Bachelor of Arts**, University of Colorado, Boulder, CO.
Dean's list 7 out of 8 semesters. 3.78 GPA.

Skills

- Languages/Shells Python, Bash, Javascript, SQL, PHP, Java, C++
Libraries Django, Django REST Framework, NumPy, Pandas, Scikit Learn, OpenCV
Misc. Tech. Vim, Tmux, Git, Docker, Salt Stack, Linux
Misc. Skills Basic Machine Learning & Data Science

Open Source

- Simple JWT A JSON Web Token authentication plugin for the Django REST Framework.
s A simple shell script manager.

Experience

- Nov 2013–Present **Senior Software Developer**, Specialized Bicycle Components (Retül), Boulder, CO.
Develop web services for data collection from digital measurement devices. Services are implemented as REST APIs using Python (Django Framework) hosted via Docker on Heroku. Some services also deployed to cloud-hosted Linux VPS (configuration managed with Salt Stack). Use NumPy and Pandas libraries to implement proprietary search and data analysis routines. Administer all Retül department web servers and services. Developed centroid detection algorithm for pressure reading device. Implemented continuous integration pipeline using Docker and CircleCI.
- Jan 2012–Nov 2013 **Software Developer**, Fusionbox, Denver, CO.
Developed web applications using Python (Django framework). Developed Javascript clients using Angular.js and Backbone.js. Was responsible for every aspect of project development (except graphic design), deployment, and runtime environment provisioning. Deployed projects via Python Fabric to cloud-hosted Linux VPSs (configuration managed with Puppet). Applications served with Lighttpd and Uwsgi.
- May 2011–Nov 2011 **Software Developer**, Lighthouse Solar, Boulder, CO.
Developed contract bidding system and customer portal web applications in PHP, Java, and Javascript over MySQL, Apache, and Linux. Administered bidding system servers.

Interests

Technical Machine Learning, Computer Vision, Mathematics
Musical Classical Guitar, Classical Piano, North Indian Classical
Linguistic Japanese (elementary proficiency)
Athletic Cycling, Functional Fitness