

## Technical Skills

**Strong:** Python - Bash - Javascript - Typescript - Linux - Django - Webpack - React - GraphQL - ChakraUI - Selenium

**Experienced:** SQL - Heroku - Docker - Kubernetes - Elasticsearch - Karma - Jest - AWS - Jira - Postgres - LaunchDarkly

## Projects

### Energy Analytics Suite ( private repo )

- AWS lambda, SQS, Django, Heroku, Docker, AWS Athena, Role Management
- Wrote the deployment pipeline, email service connection, texting services, login, various page components.
- Self service platform for analyzing energy markets with AWS lambda based algorithms
- Drove the development and deployment of storybook components within github PRs

### Software Engineer III eBay The "Item Specifics" fields on ebay.com

Distributed Crawling System

- Maintained, Extended deployment automation through the use of docker, fabric, jenkins, github webhooks
- Built several tools to shuffle data between openstack, hadoop, Knox-proxy, teradata, and the crawling system
- RL, ML, and conditional random fields for new product recognition, large scale map reduction for KV ingestion

## Professional Experience

### Senior Software Engineer Property Meld <https://app.propertymeld.com/signup> Remote [2018-Present]

- Wrote several high traffic components and features for a django application using typescript, react, and python.
- Drove a project to completion to migrate production postgres database from heroku to aiven.io.
- Drove adoption of internal knowledge management system, preparing for scale up, started as employee 6 helped scale to 50+ employees, shipped code, 10X'd MRR, wrote and deployed a public API and docs <https://docs.propertymeld.com/>
- Wrote a skunk works mobile application during a hack week using expo to create an geo-locative vendor/resident interaction

### Full Stack Software Engineer JPTC, LLC Remote ( Austin, TX ) [2018-2019]

- Full-stack software engineer at a hedge fund operating in the energy industry.
- On-call 24/7 to handle a perpetually operating wholesale electricity market.
- Wrote experimental code using several statistical metrics which analyzed rasters, geoJSON, and various risk metrics.
- Re-wrote PHP scripts and daily events to run as python CLI using Apache Airflow

### Software Engineer III eBay San Francisco, CA [2016-2018]

- Created, maintained, and added features to tooling to train machine learning algorithms (Conditional Random Fields).
- Automated deployment of distributed map reduce cluster (disco), increased test coverage, wrote integration tests.
- Rewrote map-reduce cluster for deployment on kubernetes, cgroups and containers.
- Implemented an ICAP squid proxy server for crawling javascript injection - regular usage of openstack

### Software Developer ClutchAnalytics Austin, TX [2015-2016]

- Trained new hires on the various tech stacks, testing, CD, and CI, development workflow, and pair programming.
- Developed REST api endpoints, connected MongoDB and third party integrations for marketing and payment processing.
- Implemented e2e testing and continuous integration with Jenkins / Github webhooks / Ansible
- Built functional and unit tests with mocha / python / selenium grid / webdriverio / istanbul / appium

### eCommerce Developer Skygroup Closeouts Minneapolis, MN [2013 - 2014]

- Automated online marketplace listings on eBay and Amazon using wx, Python, Linux, Selenium, and Apache.
- Wrote a simple Inventory Management System using Bash/MySQL. Maintained server using cron, tar, and ssh.
- Consumed numerous API endpoints to update, retrieve, and maintain online listings.

### Support Specialist II Xerox, R.T.S. LLC Fargo, ND [2011 - 2013]

- Remotely supported all storewide technologies for 18K+ McDonald's stores. Inbound call center. Ticketing escalation.
- Regular usage of citrix, recovery scripts written in perl/bash, remote configuration of card reader IP networks, full store reboots, troubleshooting US robotics modem connections. Documentation writing. Team lead to new employees.

## Education

Hack Reactor Graduate Advanced Software Engineering Immersive Austin, Tx [2015]

BA Fine Arts (Painting) Minnesota State University Moorhead Moorhead, MN [2012]

Pursued Majors BS Art Education - BSE Mechanical Engineering Fargo, ND [2007-2011]

Relevant Coursework AP Calc, Calc II, Statics/Dynamics, Material Mechanics, Tech in Education

Personal Interests Traveling, Hiking, Biking, Snow, Rain, Sunshine, Tinkering, Mutual Respect