

## Technical Skills

**Strong:** Python - Typescript - Django - React - Javascript - Bash - Webpack - React - GraphQL - ChakraUI - Selenium  
**Experienced:** Docker - K8s - Snowflake - Elasticsearch - DBT - Heroku - AWS - Jira - LaunchDarkly - Segment - DataDog

## Professional Experience

### **Tech Lead Software Engineer - Property Meld (Remote)** <https://app.propertymeld.com/signup> [2018-2023]

As **Employee 6**, I played a pivotal role in scaling the company from its early stages to a thriving business, ultimately leading to a successful **Series B** funding round. Last year alone, Property Meld facilitated **1.7 million** maintenance requests and nearly **\$550M** in maintenance repairs. My contributions include: - Establishing a robust **Event Driven** data pipeline by leveraging **Kafka**, **Fivetran**, **Snowflake**, and **dbt**, which streamlined our data management processes, enhanced reporting capabilities, and ultimately informed strategic decision-making for the company. Focusing on data driven product development. - Rewrote **CI/CD** in **Circle CI** - Deployed several experimental **microservices** using **AWS CDK**, **S3**, **VPC**, **SQS**, **SNS**, **IAM**, **Step Functions**, **Athena**, **Cloudwatch**, **Cloudflare** - Rewrote the entire stack so that it could run in **Docker**, and **Kubernetes**, in order to in the future move the system to **AWS Fargate**, **EKS/ECS** - Developed key components and features for our **Django** application, utilizing my expertise in **TypeScript**, **React**, and **Python**. These high-traffic components significantly enhanced the user experience and functionality of our platform. - Spearheading the adoption of an internal knowledge management system, which paved the way for our rapid expansion from **6** to **70+ employees** and a **10x increase** in monthly recurring revenue (MRR).

- Authoring the **public API** using **Django**, **Python** and comprehensive public API documentation (**OpenAPI**), accessible at <https://docs.propertymeld.com/>, that facilitated seamless integrations with our partners and clients.

- Actively participated in the **hiring** and **onboarding** process for new engineers, fostering a strong and **collaborative team culture**. - Showcasing my **versatility** and initiative by developing a skunkworks mobile app using **Expo**, **React** demonstrating our commitment to **continuous innovation** and staying at the forefront of industry trends. - Leading a critical project to migrate our **production PostgreSQL** database from **Heroku** to **Aiven.io**, ensuring seamless data transfer and enhanced performance for our growing customer base.

- Organizing internal knowledge sharing lunch and learns, helped leadership identify a **community grown talent pipeline**

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

- Created, maintained, and added features to tooling ( **K8s**, **Openstack** ) to train **machine learning algorithms** (Conditional Random Fields) using **Python** and **Javascript** - Automated deployment of **distributed map reduce cluster** (disco think **AWS Elastic Map Reduce**), increased test coverage with **Jenkins**, wrote integration tests (**Selenium**). - Rewrote map-reduce cluster for deployment on **kubernetes**, **cgroups** and **containers**.

- Implemented an **ICAP** squid proxy server for crawling javascript injection ML feedback mechanism - regular usage of **openstack** - 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

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

- Full stack **nodejs / javascript** - 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** [2013-2015]

- 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** [2010-2013]

- 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 hires.

## Education

**Hack Reactor Graduate** Advanced Software Engineering Immersive

**BA Fine Arts (Painting)** Minnesota State University Moorhead

**Pursued Majors** BS Art Education - BSE Mechanical Engineering

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

Austin, Tx [2015]  
Moorhead, MN [2012]  
Fargo, ND [2007-2011]