

## Clear Demand Company Overview

Clear Demand delivers more value faster to retailers by helping them optimize their pricing and merchandising initiatives. This is accomplished through the most accurate science, the easiest to adopt products, leading innovations in machine intelligence, and a partnership model that delivers industry best practices and processes. Customers benefit from a large return on investment (ROI) and greater shopper loyalty. Architected on big data and delivered as a software-as-a-service (SaaS), Clear Demand's Intelligent Price Management and Optimization (IPMO) solution utilizes machine learning and can be administered from a public or private cloud. See how Clear Demand can support your retail pricing, promotions, and markdown strategies by visiting [www.cleardemand.com](http://www.cleardemand.com)

Clear Demand offers a competitive salary with stock options and a benefits package, including medical, dental, life insurance, and 401k Plan

## Job Description

This is a permanent position with tremendous potential for growth. We are looking to hire an excellent Python programmer to assist in building and maintaining highly performant scientific APIs. That may be you if you are an expert at Python development, testing, and deployment. Ideally, you are well-versed with nuanced algorithms, the pandas package, and test driven development. We're looking for a candidate who can maintain, test, extend, and scale a Python API while contributing to other coding projects taken by the Science Team.

As Senior Python Developer, you will be a member of Clear Demand's Science Team. Your work will interface with Product Engineering as you build out the Science Team's APIs and microservices to support enterprise wide, AI assisted solutions for retail clients. You will implement industry leading forecasting and reporting. You will also build, interface with, and maintain data caches and databases to provide quality code performance and require a willingness to dive into the details to resolve problems and identify opportunity for improvement. You will engage with and develop retail science by extending and refining existing solutions. You will work Arizona hours, approximately 9-5 Phoenix time.

## Activities

- Test driven development
  - Maintain and extend unit, regression, smoke, functional, and integration testing frameworks
  - Lead code deployments and ensure no regressions occur from updates
  - Support and implement new features and APIs
  - Implement algorithms in conjunction with Data Scientists accomplishing retail science objectives
- Algorithm improvement
  - Review logs and implement methods to improve runtime for live applications
  - Ensure new revisions of algorithms are consistent with historically approved results
- Science team growth

- Interface with and improve documentation on code and APIs
- Contribute towards professional growth of other developers and scientists
- Understand and contribute to the growth of retail science at Clear Demand.

## Required Skills

- Expertise in Python in a live production context
- Cross-functional software team experience including multiple contributors
- Source code control
- Test Driven Development
- Attention to detail
- Team player, self-starter, ability to multi-task and work in a fast-paced environment
- Takes initiative to identify and address issues and opportunities, proactively contributes to the business
- Knowledge, experience, or proficiency with:
  - Pandas
  - Flask
  - Python memory management
  - Python performance optimization
  - Scalable cloud computing services
  - Linux operating systems

## Desired Skills

- Excellent written and oral communication skills
- Analytical skills in math and science
- Knowledge, experience, or proficiency with:
  - Small companies
  - Debugging remotely via the command line
  - Flat file data caching solutions
  - SQL and NoSQL cloud based databases
  - GCP Kubernetes
  - Microservices and Containerization
  - C / C++
  - Bokeh
  - Rabbit MQ
  - Linux system daemons
  - Windows operating systems
  - Retail pricing, merchandising, and category management

To learn more about ClearDemand, visit <http://ClearDemand.com>.