

Andrea de Candia

WORK EXPERIENCE

Senior Software Engineer

Mesa Cloud, Inc. - *Student Data Processing*

2021 - 2022

(Remote) Austin, TX

Authored **Python** microservices utilizing **PostgreSQL** and **FastAPI** to execute configurable scheduled and unscheduled data processing for **ETL** pipelines.

Implemented legacy migration from monolithic implementation of bottleneck inducing **SQL** scripts to faster asynchronous executions utilizing parallel worker services processing **numpy** and **pandas** operations.

Created and managed configurations for application environments with **AWS Elastic Beanstalk** as well as corresponding network traffic security group configurations.

Built auxiliary tools for data extraction and anonymization for persistence layer mocking to facilitate development of automated pipelines for **CI-CD**.

Staff Software Engineer

Intellisense.io - *Earth Mining Analytics*

2020 - 2021

(Remote) Cambridge, UK

Principle designer and developer of **node** microservices assigned to mining analytics for data processing and site management, and interfacing with internal prediction and external client services.

Implemented **CI/CD pipeline** expansions and **Kubernetes** service configuration for **Azure** deployments for general product and client-specific environments.

As Mining Stockpiles **project Team Lead** collaborated in products' designing and planning with internal and external stakeholders and across departments.

Created libraries for geometric transformations and 3d visualizations of physical objects using **Python** and **Plotly** for production application and internal and external demonstration.

Full Stack Microservices Engineer

Giesecke + Devrient - *Research and Development*

2018 - 2020

(Remote) Barcelona, Spain

Development and architectural collaboration in **microservices** solution for mobile marketing message delivery platform built with **Java Spring** and **Angular**.

Principle development of **Android** application demonstrating biometric authentication for vehicle operation for display at **Mobile World Congress 2019**.

Prototyped and implemented **UX and UI design** for interaction with vehicle smart-dashboard operation.

Architected and built a custom **Cucumber Selenium** test framework and configured its utilization in a **continuous integration** pipeline for a telecommunication administrative platform.

Junior Software Developer

Aplicaciones En Informática Avanzada - *Data Analytics Innovations*

2018

Sant Cugat, Spain

Principle design and implementation of **Python Django** application employing proprietary predictive models for sales forecasting.

Designed and implemented interactive data visualizations using **D3** and **Plotly** for utilization in various applications.

Assisted in development of **Java JSP** monolithic pharmaceutical application utilizing machine learning libraries for prediction and analysis of RNA secondary structures.

Assisted in development of **Java** employment software employing word2vec neural network models and database querying with Apache Solr.

Senior Mutual Fund Accountant

Alps Fund Services, Inc - *Mutual Fund Services*

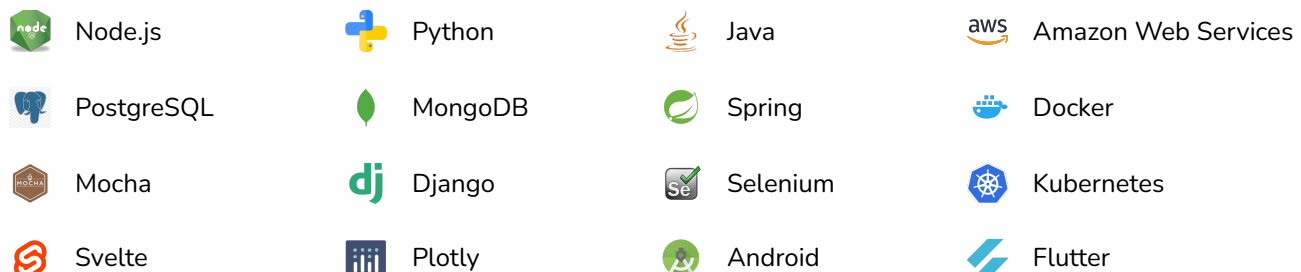
2012 - 2015

Denver, Colorado

Reconciled daily trading and general ledger activity as well as derivative security and corporate action execution for global mixed asset mutual funds' daily NAV valuations.

Implemented work efficiency improvements for accounting procedures including developing Excel macros for Bloomberg terminal operations.

TECHNOLOGIES



Software Engineer

ABOUT

Dedicated backend developer with broad full stack experience and strong analytical and collaborative skills.

METHODOLOGIES

Scrum Agile CI/CD

Microservices Architecture

Test Driven Development

Event Driven Architecture

LINKS & CONTACT

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EDUCATION

Rutgers University

Graduated 2011

Bachelor of Economics

Bachelor of Political Science

Comprehensive maths and statistics with completed engineering core requirements

OTHER ACTIVITIES

Teaching

Skiing, Sailing, Windsurfing, Tennis

Creative Writing

ENTREPRENEURSHIP

Cross-platform puzzle game

All Square

Cross-platform social platform

Weather Express

Cross-platform weather app

Venga