Andrea de Candia
US National - New York City

Check my portfolio

Software Engineer

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

Paternity Sabbatical - Self Employed

WORK EXPERIENCE

Senior Software Engineer
Mesa Cloud, Inc. - *Student Data Processing*

2022 - 2023
(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 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 - 2022
(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.

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

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

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

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.

METHODOLOGIES
Scrum Agile CI/CD

Microservices Architecture

Test Driven Development

Event Driven Architecture

LINKS & CONTACT
andy-engineer.vercel.app

in/a-decandia

github.com/andrea-de

andy.decandia@gmail.com

+1 201 961 2208

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

PORTFOLIO (PARTIAL)

Daily Crossword Jumble Puzzle
Crumble

AI Story Generator
Choice AI Adventures

Arcade puzzle game
Square Game

Themed Weather Application
Weather Express

TECHNOLOGIES

Typescript	Python	Java	Amazon Web Services
React	MongoDB	Spring	Docker
Node.js	Django	Selenium	Kubernetes
PostgreSQL	Plotly	Android	Flutter