

# KYLE PEASLEY

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## EDUCATION

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### University of Cincinnati

Bachelor of Arts in Computer Science

Cincinnati, OH

2014 – 2019

## EXPERIENCE

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### 84.51

Lead Software Engineer

Cincinnati, Ohio

July 2024 – Present

- Lead engineering efforts on a Gen AI recommendation system for product themes, using OpenAI and Microsoft's vertex DB, built with python to save
- Built and supported an API product around science for a just in time what if product sales, depending on sale price running on AKS and FastAPI
- Created data pre-processing pipelines and package to greatly improve forecast times for ad-hoc analysis using Pandas and Pyspark
- Created with a geospatial team, a Geospatial python package for easier use of geospatial data and capabilities with best practices

Senior Software Engineer

June 2021 – July 2024

- Built and supported internal and external website to expose sciences built with Angular from the ground up
- Improved and maintained FastAPI/Postgres backend to support above website
- Maintained projects terraform
- Created and worked on science python packages around matching, data wrangling
- Contributed to internal company stack overflow knowledge articles
- Mentored and managed interns for co-op program
- Won companies hackathon with team of 5 focused on consumer research data and RAG

Data Engineer

Jun 2019 – October 2021

- Various Pyspark work on large data project ranging from enhancements to bug fixes
- Improved Airflow data pipelines to run based on messages vs time, enabling hours saved in delay
- Maintained an updated Airflow pipelines for company wide dataset dealing with billions of rows
- Various one off data pipelines and aggregations for products

## PROJECTS

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**Blog** | Go, docker, CI/CD

- Personal tech blog written in server sided go templates
- Write custom lightweight syntax highlighting
- Set up CI/CD for hosting with dokku on push

**Taskr-cli** | python

- Developed an alternative task runner vs Make
- Published plugin on Pypi, source available
- Contains numerous features and utilities for python projects

## TECHNICAL SKILLS

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**Languages:** Python, Go, Typescript/Javascript, Html/CSS, bash

**Frameworks:** FastAPI, Angular, Node

**Tools:** Git, Docker/Podman, Github CI/CD, GCP, Azure, Linux, K8s, Terraform

**Libraries:** Pyspark, Pandas, UV