Chelsea Dole

+1 (206) 914-7021 ▪ chelseadole@gmail.com

[Github](#) ▪ [LinkedIn](#) ▪ [Website](#)

TECHNICAL SKILLS

- Python 3
- JavaScript
- Node.js
- Django
- FastAPI

- PostgreSQL
- Elasticsearch
- Apache Kafka
- RabbitMQ
- Redshift

- Kubernetes
- Cloud computing (GCP, AWS)
- Docker
- Git

WORK EXPERIENCE

Coffee Meets Bagel, *Remote*

Senior Data Engineer	*May 2021–Present*
Data Engineer III	*April 2020–May 2021*
Data Engineer II	*June 2019–April 2020*

- Architected and fully implemented an event-based feature engineering system providing real-time features to CMB's internal "matching" pipeline. Resulted in 85% reduction in feature calculation time and estimated 75%+ reduction in engineering time needed to author features

- Migrated a user-facing Elasticsearch cluster twice without downtime via the reindex API. Refactored data model resulting in 20% monthly cost savings, 11x reduction in total index document count, and 35% reduction in max query

- Architected and implemented a company-wide migration of internal events from RabbitMQ/Kinesis to Apache Kafka. Decided topic/partition configuration, set up infrastructure, and migrated 30+ unique producer and consumer Kubernetes deployments without downtime or event loss

- Acted as technical lead/project manager for several new features, leading cross-functional teams of 4-6 people and keeping stakeholders updated during project execution. Led standardization of project management at CMB by creating documentation

- Participated in the 2021 internship program as the technical mentor for an intern: meeting daily for 1:1 standup, leading technical onboarding, and helping with project tech spec and execution

- Organized and led organization-wide projects aimed at improving code quality and system transparency, including: an automated release system for internal Python packages, the transition from schema-less to Avro internal events, and the creation of backend system runbooks

Technologies: Python, PostgreSQL, Elasticsearch, Kafka, AWS (EC2, ECS, RDS, MSK, Redshift, Kinesis, S3, etc), Django, RabbitMQ, Kubernetes, Redis/Memcached, Jenkins, Docker, DataDog, Git

Zonar Systems, *Seattle*

Software Development Engineer I	*Feb 2018–June 2019*

- Built and scaled backend applications to support a data analysis web platform for Fleet Pipeline team

- Developed components of a Python/Flask data analysis API, a Golang event logging API, and a Dataflow data summarization pipeline

Technologies: Python, Golang, JavaScript/Node.js, Kubernetes, GCP (Dataflow, BigQuery, etc), Flask, Pandas/NumPy, Angular 2, PostgreSQL, Redis, DataDog, Git

PROJECTS

[Invest in Chia](#) March 2021–Present
Co-founder of a small cryptocurrency startup in the Chia coin space.
- Wrote code and automation to generate and transfer over 10PB of data to customers across 500+ bare metal servers
- Instrumented monitoring and alerting systems
- Created and deployed Invest in Chia website and admin dashboard

Technologies: Python, Django, JavaScript, Bash

[Personal Portfolio](#) *Jan 2018*
Simple personal website using HTML, CSS, and Javascript. Hosted using Github Pages

[write-me](#) *Dec 2017*
PyPI package that generates elegant, specific READMEs based on a user's Python codebase.

Technologies: Python, Sphinx, PyPI

SPEAKING

[Understanding Python's Memory Management](#) *Mar 2021*
Introduction to CPython's internal memory manager presented remotely as part of the PyLadies International Women's Day 2021 event

[Dreaming of Databases: 5 Questions for Data Layer Decisions](#) *Jan 2020*
25-minute talk given at the ThaiPy meetup in Bangkok to 100+ technical attendees. Talk covered database vocabulary, and discussed how to make educated decisions regarding database choice

[Going Serverless: Deploying with GCP App Engine and Cloud Functions](#) *Jan 2019*
30-minute talk given at Puget Sound Programming Python (PuPPy) meetup to 120+ software engineers. Talk included the live deployment of a demo API with App Engine and the gcloud SDK

EDUCATION // CERTIFICATIONS

Code Fellows | Seattle, WA *Aug–Dec 2017*
   Certificate — Advanced Software Development in Python

University of California, Berkeley *2013–2017*
Degree: Political Economy (B.A.)
Coursework: Advanced economics, statistics, computer science, political history/theory, business, int'l trade
GPA: 3.40

Other:
- *Learn Apache Kafka* (Udemy, 7 hours)
- *Kafka Cluster Setup & Administration* (Udemy, 4 hours)