Connor Denman

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OVERVIEW

Experienced engineering leader with a proven track record as an individual contributor, tech lead, and engineering manager at mission-driven startups from seed stage to post-Series C. I thrive at the intersection of product, data, and infrastructure engineering, bringing an unrelenting focus on impact, pragmatism, and communication. I leverage a broad skill set in technical, people, and organizational domains to tackle complex challenges.

Technologies

- **Automation/Containerization/IaC/Orchestration**
  - Docker, Kubernetes, Helm, Github Actions, GitLabCI, Terraform, Pulumi, Airflow, Dagster
- **Databases/Data Warehouses/Message Brokers**
  - MySQL, PostgreSQL, TimescaleDB, Influx, BigQuery, Redis, MQTT, Elasticsearch
- **Languages/Frameworks**
  - Python/Flask/FastAPI, SQL/DBT, Bash, Typescript/React/Angular, PHP, Golang, Javascript/jQuery
- **Public Cloud**
  - Amazon Web Services-- EC2, RDS, VPC, S3, CloudFront
  - Google Cloud Platform-- Dataflow, PubSub, Cloud Storage, Compute Engine, Kubernetes Engine, App Engine, Cloud SQL, BigQuery, Memorystore, Cloud Run, Cloud Functions, Composer, Dataproc

EXPERIENCE

Senior Software Engineer - Backend, Asimov
Boulder, CO — October 2023-Present

- Design and build infrastructure, data pipelines, and APIs to support Kernel, Asimov's Genetic Design software platform.
- Delivered a 4x increase in genetic parts dataset volume, with 25% increase in search accuracy and 30% decrease in cloud infrastructure cost.
- Revamped CI/CD processes leading to 10x increase in deployment frequency and 50% reduction in change failure rate.

Engineering Manager - Cloud, AMP Robotics
Louisville, CO — July 2022-Present

- Led a team of Software, Data, and DevOps Engineers responsible for various web applications, services, and platforms.
- Devised and communicated technical vision and strategy.
- Designed and delegated a large refactor of our existing data platform resulting in 50% cloud cost reduction, improved mutability and reliability.
- Grew the team by hiring Data and DevOps engineers.

Senior Software Engineer - Cloud, AMP Robotics
Louisville, CO — February 2019-July 2022

- Designed and built the core data platform for robotics observability and reporting. This included various down-stream services for providing data to both external and internal customers.
- Architected, implemented, and scaled applications and services running on Google Cloud Platform's GKE, Cloud Run, Functions, etc.
- Developed customer-facing features with Python, Flask, GraphQL, and Angular.
- Maintained data warehouse and database infrastructure with high availability for multiple software stacks. (BigQuery, Cloud SQL, Redis, Influx, TimescaleDB)
- Implemented developer tools, CI/CD, and processes to enable fast delivery of high-quality software.

Lead Engineer, Only Sky (formerly Snowvation)

Denver, CO — April 2018-December 2018

- Hired and managed a team of four engineers.
- Planned and implemented new functionality with clean architecture in mind using Python3, Flask, Celery, MySQL, jQuery, and Bootstrap.
- Built and maintained developer tools, pipelines, and infrastructure on Kubernetes (GKE) to increase feature velocity and reliability.

Full Stack Developer, Health Sqyre

Denver, CO — February 2017-April 2018

- Sole full-time developer in charge of building out the product and infrastructure.
    - Stack: Python3, Flask, PHP, Magento, Memcached, MySQL, jQuery, React JS
- Delivered mission-critical software components including:
    - A secure, HIPAA-compliant REST API to provide health insurance information and dynamic pricing for durable medical equipment sold through the ecommerce platform.
    - Front-facing ecommerce functionality to support the sale of equipment through patients' health insurance.
    - Administration portals used to fulfill orders and assist in the insurance claims process.

Software Engineer, B&B Automation and Manufacturing

Albuquerque, NM — March 2016-February 2017

- The sole developer responsible for delivering a desktop application that controlled a system of servo motors to wind film for manufacturing capacitors. This included both automated replication of capacitors with a desired thickness, and full manual control over all the spindles.

AWARDS

UNM Business Plan Competition, 1st Place Winner

Albuquerque, NM — 2014

- Competed in a "Shark Tank" style pitch competition against 5 other teams in the Technology Ventures track and won the first-place grant of $25,000.

EDUCATION

University of New Mexico

B.S., Computer Science — 2012-2016

- Minors in Mathematics and Business Management.