DANIEL VU DAO

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EDUCATION

The University of Texas at Austin   Bachelor of Science, Computer Science   May 2016

TECHNICAL SKILLS

Proficient in Java, Javascript, Python, SQL (PostgreSQL/MySQL/Oracle,SQLite)
Comfortable with Linux, Git, noSQL, Flask, NodeJS, Express, Ruby, Rails, SparkSQL, Hive, Hadoop, Spark, Elasticsearch, AWS Redshift, ReactJS/Redux, Airflow
Exposure to C, Jenkins, Groovy DSL, Scala, Django, HTML/CSS, LESS, Bash

WORK EXPERIENCE

Clover Health - *Software Engineer;* San Francisco, CA   *April 2018 - Present*
Software Engineer on the Data Platform team focused on developing data pipelines for application-level consumers
- Mentored two undergraduate Software Engineering interns from the Code2040 program who worked on production level code
- Developed an address normalization data pipeline and reduced $20k/yr spending on AWS EC2 instance
- Developed data pipeline to locate vendor files, automating a manual process of moving thousands of S3 objects from/to buckets
- Led project as sole IC to create a unified data model with a focus on provider specialties, which involved design plan, backfilling data, automating data loads via data pipeline, and QA-ing datasets
- Worked on data recommendation pipeline which involved setting data pipeline to consume from a vendor's API, compare it against Clover's internal provider data, and load recommendation for fixes into a work queue
- Identified and documented backfill latency issues, reducing backfill load times from 8 hours to about 10 minutes
- Won 2018 annual hackathon with another engineer, providing proof of concept utilizing Twilio's API to make provider phone calls

Munchery - *Software Engineer;* San Francisco, CA   *July 2017 - March 2018*
Software Engineer at a food-based startup with a focus on backend APIs and infrastructure
- Worked on a remote team of two other engineers located in Europe to architect, develop, and migrate the old menu frontend from AngularJS to React/Redux coupled with Webpack
- Utilized Ruby on Rails to write numerous features, such as workers, specs with RSpec, and APIs for numerous platforms
- Optimized Rake task for table hot swap, which synchronizes production data to local dev's databases
- Maintained and fixed bugs for a feature to allow company to release food products to the east coast with two other developers

Civitas Learning - *Software Engineer;* Austin, TX   *June 2016 - July 2017*
Software Engineer on two flagship products known as Illume Courses / Students aimed at increasing student persistence
- Implemented product features such as user tracking, adding filter count logic, and surfacing data from Redshift clusters for the app to consume using numerous technologies such as SparkSQL, Scala, NodeJS, Express, PostgresSQL, AWS Redshift
- Debugged a wide variety of production issues, ranging from database problems such as invalid mappings and unsanitized data to server side issues, such as gateway timeouts
- Assisted with making partner data within filters non mutually-exclusive, resulting in an increase of >$1 million ARR
- Implemented dynamic filters for a specific category, allowing partners to see approved raw data and speed up product deployment / data validation by 2 - 3 weeks
- Refactored database schema, allowing users to see datasets outside of a time constricted window, resulting in a large ARR increase for the company and less production issues along with less for other engineers
- Gave guest lectures at The University of Texas at Austin to aid recruiting efforts, resulting in a new hire and company exposure

The University of Texas at Austin - Undergraduate TA; Austin, TX   *January 2016 - May 2016*
Undergraduate Teaching Assistant for CS327E Elements of Databases
- Held office hours, developed / graded exams, and graded the final class project with a professor and another teaching assistant

DirecTV - Software Engineering Intern; Los Angeles, CA   *May 2015 - August 2015*
Engineering intern on the Auth Services team working to create a microservice for authentication
- Extracted authentication out of a monolithic codebase and reimplement a microservice in NodeJS to be use as an internal authentication tool, along with adding extra Java endpoints to be communicated with

VOLUNTEER EXPERIENCE

Crisis Counselor - San Francisco Suicide Prevention; San Francisco   *Fall 2017 - Present*
Volunteer Coordinator / Member on Board of Directors - Adobe Books and Arts Co-Op; San Francisco   *Fall 2017 - Present*