Keaton Currie | Software Engineer | San Francisco, CA

949.433.0393 | curriekeaton@gmail.com | linkedin.com/in/keaton-currie | github.com/kdcurrie

TECHNICAL PROFICIENCIES

Strong: Golang, C, Java, Python, JavaScript (ES6+), SQL, PostgreSQL, MySQL, pandas, Redis, RESTful Architecture, Docker, Swagger, Grafana, Postman, D3, HTML / CSS, Git / GitHub, Linux, Ubuntu, MacOS, Windows, VScode, Jetbrains, Bash, Confluence, Asana
Experienced: AWS (Elastic Beanstalk, EC2, S3), Node.js, React, gRPC, Protocol Buffers, Zap

EXPERIENCE

VolaTrade Inc. | *Software Engineer | Co-founder*   *August 2020 – Present*
- Joined software engineering team as the third engineer
- Created a concurrent ETL system in Golang to collect real time order book data and ensure scalability and efficiency for various interfacing microservices that provide valuable prediction data
- Utilized PostgreSQL and its highly extensible data types to simplify data storage by creating an easily managed and accessible relational database to store relevant data
- Created an in-memory distributed Redis cache to reduce overhead by minimizing the number of lengthy calls to our database when storing and retrieving order book data
- Deployed and developed modular stats, logger, and error packages in Golang to collect infrastructure and development analytics and send it to a Grafana dashboard to simplify metric aggregation and visualization
- Developed new RESTful API services in Golang that work as a middleware between our system and other microservices
- Containerized multiple lightweight, portable, and self-contained microservices for ease of deployment and faster local development
- Collaborated with product management and engineering teams in triweekly meetings to streamline planning, discuss strategic and scalable development, and assigned weekly tasks and outlined upcoming milestones using Asana

Action for Racial Justice | *Software Engineer Intern*   *January 2021 – May 2021*
- Created and deployed new "Reading for Racial Justice" book club subservice written in Golang that enables users to join book clubs to read relevant literature regarding racial justice
- Designed and implemented the book club API and produced, consumed, and visualized our RESTful web service using Postman Rest Client, Swagger UI and by creating a Swagger specification
- Created and containerized a MySQL relational database to ensure fast and efficient database queries using the Golang sqlx library and used Python to write a seeding script to populate our database with test data

SRS Real Estate Partners| *Analyst Intern*   *May 2017 – February 2018*
- Conducted analyses to identify inefficiencies in database structure/queries and recommended solutions to improve performance
- Assisted with development and implemented training programs for new hires
- Performed local market analyses, financial valuations, and lease abstractions

PROJECTS

D3 Data Visualization Portfolio | **JavaScript, D3** | Portfolio of Interactive D3 Visualizations | Link
- Analyzed data and developed interactive and insightful visualizations and tools using JavaScript and D3 that allow users to easily digest information and make their own discoveries with data
- Designed and created a website to host my data visualization and project portfolio using JavaScript, HTML, and CSS

Command Line Shell | **C, Linux** | Upgraded implementation of a Unix-based shell | Link
- Created an upgraded implementation of a Unix-based shell in C which supports I/O redirection and scripting to strengthen my knowledge of piping, shell scripting, memory management, and the Linux operating system.
- Prepared UNIX shell scripts to automate testing for the program and implemented system calls and signal handling to interpret and execute user commands and scripting

EDUCATION

University of San Francisco | *College of Arts and Sciences & School of Management*   *2016 – 2021*
B.S. in Computer Science | B.S. in Business Administration
GPA: 3.81

COUREWORK

Software Development | Computer Architecture | Operating Systems | Data Visualization | Language Paradigms | Data Structures and Algorithms | C & Systems Programming | Linear Algebra & Probability | Discrete Mathematics | Calculus I