SM Mashuque

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EDUCATION

Cornell University, B.S.   **05/2020**
- Cumulative GPA: 3.43
- Major in Information Science. Minor in Computer Science.
- Relevant courses taken include OO Programming in Python, Data Science in Python, Data Structures in Java, Backend Web Development in PHP, Database Systems, and Systems Organization and Programming in C/C++.
- Deans List: Spring 2018, Spring 2019

EXPERIENCE

Software Engineer   **02/2021 - Present**
HP Inc. (Houston, TX)
- Created and maintained REST APIs using Spring framework. Technologies utilized include Java, Go, MySQL, Elasticsearch, and various AWS solutions such as CloudWatch, S3, DynamoDb, Lambda, SNS, SQS.
- Implemented APIs for a query saving feature.
- Created integration APIs for subscription management.

Software Engineer   **06/2020 - 02/2021**
PROS (Houston, TX)
- Created and maintained REST APIs using Java Dropwizard framework and SQL Server.
- Implemented data security features, which isolated data between tenant groups.
- Wrote end to end tests to verify REST endpoint behaviors using the Cucumber framework.
- Implemented asynchronous and synchronous tasks for a workflow pipeline. The tasks performed actions such as generating configuration parameters, registering dataset schemas, cleaning up tables, and copying NoSQL data types to SQL server database.

Software Engineer Intern   **06/2019 - 08/2019**
UBS (Weehawken, NJ)
- Created a micro-service using Flask, PostgreSQL, and AutoSys to monitor a Data Warehouse Infrastructure created with Airflow DAGs.

Teaching Assistant in INFO/CS 2300: Backend Web Design   **08/2018 - 12/2018**
Cornell University (Ithaca, NY)
- Helped students with questions relating to server side data processing and creating dynamic pages using HTML, PHP, and SQLite.
- Met with professor weekly and helped grade assignments.

Software Engineer Intern   **06/2018 - 08/2018**
SinglePlatform (New York, NY)
- Django MVC: Updated existing models, views, templates, and wrote unit tests.
- Created an API endpoint with pagination using Django REST framework.
- Created asynchronous tasks to update data, and send emails using Celery and SendGrid.
- Applied view restrictions with Python decorators.
- Created a GUI app in Python for internal use to automate schedule creation process using Google Calendar API

Python Tutor   **08/2017 - 05/2018**
Cornell University (Ithaca, NY)
- Met with CS 1110 course students weekly and provided assistance with Python questions relating to homework, assignments, and exams.

PROJECTS

Takk - A Fundraising Platform for Higher Education.   **02/2019 - 05/2019**
- Served as the lead developer. Designed and implemented an MVP with the Django Framework.
- Integrated Twilio and Stripe API with the Django application to enable phone calling and payment processing.
- Oversaw all aspects of the project and managed iterative improvements of the MVP.

Emulated RISC-V CPU   **03/2019 - 04/2019**
- Created a five stage pipelined CPU in Logisim.
- Adheres to the RISC-V ISA specifications.

Live Nasdaq Data   **10/2018 - 11/2018**
- Built a small web app to show live stock data.
- Integrated the app with IEX API for displaying latest stock price information.
- Built a React frontend with Django REST backend.

SKILLS

Programming Languages

Skill	Level
Python	■■■■■■
Java	■■■■■■
C	■■■
C++	■■■
JavaScript	■■■■
PHP	■■■

Databases

Skill	Level
PostgreSQL, SQL Server, MySQL	■■■
Redis	■■

Frameworks

Skill	Level
Django	■■■
Dropwizard	■■
Spring	■■