Rithvik Vellaturi

Software Engineer | AWS Solutions Architect

📞 (651) 756-9338 | ✉ rithvikvell@gmail.com | ⌗ rkv338 | in rvellaturi | Let's meet!

EXPERIENCE

Capital One
Plano, TX

Software Developer
February 2023 - Present

- Reflected eAPI changes within codebase for Empath, a tool created with **Vue.js** frontend and **ECS** container
- Orchestrated tile for SmartBid using **Vue.js**, a platform catered to **over 25,000** call center employees (agents) across the United States to be able to input the start and end times of their shifts throughout the week
- Populated **PostgresSQL** tables within an **RDS** instance for over 75 SmartBid agents' data and guardrails using **SQL** for MVP
- Created and documented **REST API** endpoints for SmartBid for increased usability/collaboration across teams

Paycom
Irving, TX

Software Engineer II
February 2021 - February 2023

- Reduced the revisal time of errors in client payrolls and prior quarter returns across several US states by **83%** using **C#** to create flexible SUTA (State Unemployment Tax Act) and SIT (State Income Tax) forms within TRS (Tax Reporting System)
- Integrated padding feature for attributes within DAP (Document Automation Portal) using **React** and **Typescript**
- Created and managed 10+ tables containing employee and state specific data using **SQL**
- Corrected discrepancies in COVID 940 and 941 form data to use for **over 10,000 clients**

Amazon
Seattle, WA

Software Development Engineer Intern
June 2020 - August 2020

- Developed a proof of concept project storing Amazon customer click and search query data using Feast.dev, a centralized machine learning feature store that utilizes a **Kafka** stream and **Redis** clusters for storage
- Transformed datasets into formats that allowed for faster retrieval of features using **Python** and wrote a script to measure the retrieval time of various numbers of requested rows in **Java**
- Integrated Feast with the team's machine learning data pipeline using **Java**

AmerisourceBergen Corporation
Carrollton, TX

Software Engineer Intern
June 2019 - August 2019

- Added features to a full-stack medical equipment tracking tool using **Jade, AngularJS, Node.js, and CSS**
- Implemented a searchable dropdown menu for executable batch scripts that interact with medical equipment
- Provided an algorithm for searching/sorting IP addresses and version numbers of medical equipment software
- Developed capability to search for equipment based on attributes not containing or starting with the query

SKILLS

Languages Java, C, C++, C#, Python, Javascript
Technologies AngularJS, Node.js, React, Pandas, AWS, REST API
Certifications AWS Solutions Architect - Associate

PROJECTS

PickYourProf

- Created a web application at HackTX that rates **over 1000** professors and ranks them in order from best to least by course using data scraped from ratemyprofessors.com and student grade data at UT Austin as part of a team
- Visualized the front-end using HTML, JS, and CSS (Bootstrap)
- *Technologies Used: **Express, Node.js, Cheerio, HTML, JavaScript, CSS, SQLite, Flutter, Dart***

SpeedReader – www.speedreader.io

- Flashes words at a certain interval so that the human eye can process up to **200%** more words/second than normal
- Added functionality that bolds the first half of every word, making it easier to process for neurodivergent/ADHD individuals
- *Technologies Used: **React, AWS S3, AWS CloudFront, AWS Route53, CORS (Cross-origin resource sharing)***

EDUCATION

Bachelor of Science in Computer Science, University Honors
University of Texas at Austin
August 2017 - December 2020