

Rahul Kanianchalil

Software Engineer

Engineering professional with a strong focus on data driven innovation and a demonstrated history of applying the principles of design thinking, rapid prototyping, and customer focus.

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WORK EXPERIENCE

Senior Software Engineer Katapult

08/2021 - Present

Plano, Texas (Remote)

Software Engineer on Enterprise Partner Integrations Team

Achievements/Tasks

- (AWS/Python/Django) Designed and implemented integration with lead generation company to bring new customers to Katapult's platform
- (AWS/Python/Django) Extended backend of platform to support new mobile application, including use of AWS Pinpoint and JWT for mobile authentication and session management.
- (AWS Batch/SQS/Lambda) Owns integration of lease management platform and Hubspot CRM tool. Customer data is sent in batches to Hubspot for further marketing and operations support.

Senior Associate Software Engineer Capital One Auto Finance

09/2018 - 08/2021

Plano, Texas

Software Engineer on Software Delivery & Pipeline Team

Achievements/Tasks

- (Python/Flask) Created Rest API that enabled developers to test the resiliency of their cloud applications by scheduling disruptions.
- (Python/AWS Lambda) Developed robust and serverless python application that automates onboarding of 700 application to various enterprise services.
- (Groovy/Jenkins) Developed automation to deploy secure and tested code to the cloud for application teams.

Associate Software Engineer Capital One Auto Finance

09/2017 - 09/2018

Plano, Texas

Data Engineer on Market and Analysis Team

Achievements/Tasks

- (Python/SQL) Migrated critical reports from SAS scripts to Python application.
- (Python/AWS) Sped up process of generating reports from 48 hours to 4 hours. Compressed code and made it more modular and readable.
- (Python) Cleaned data and tested risk model on different populations for auto loan rates.

Software Engineer Intern State Farm Insurance

06/2016 - 12/2016

Champaign, Illinois

Intern for 2 semesters at on campus R&D office

SKILLS

AWS Solutions Architect

Python

Django

SQL

Java

Backend Development

EDUCATION

Bachelors of Science in Statistics University of Illinois at Urbana-Champaign

08/2013 - 05/2017

SIDE PROJECTS

TD Ameritrade Algorithmic Trading Platform

- Developing algorithmic trading platform that consumes historic stock market data, applies strategies, and interfaces with TD Ameritrade API to predict future trends.
- Display results on serverless S3/Lambda based website.

Analysis of Airline Trends

- Used R to parse large database of airline data and created interactive data visualizations of most traveled days of the week, most expensive days to travel, and seasonal airline trends.

CERTIFICATES & ACHIEVEMENTS

Amazon Web Services Solutions Architect (05/2018 - Present)

Capital One Mark of Distinction

Developed backend server and python code that enabled the automation of repetitive analyst work that sped up the consumption of data by 2 weeks.

Capital One Diamond Award

Migrated and refactored SAS based report to python, reduced runtime by over 80%

VOLUNTEER EXPERIENCE

Capital One Coders Mentor Capital One

01/2019 - 12/2019