

Steeven Pereira

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Academic Qualifications

Master of Science in Computer Science

University of Texas at Arlington

May 2021 | Arlington, TX

Bachelor of Engineering in Computer Science

University of Mumbai

May 2019 | Mumbai, India

Technical Skills

Programming Languages: Python, SQL, Java, Go, JavaScript, PHP.

Database: MySQL, DynamoDB, RDS, PostgreSQL, MongoDB, Redis.

Cloud Platforms: Amazon Web Services, Microsoft Azure, IBM cloud, Heroku.

Tools: Docker, Kubernetes, Git, Postman, Android Studio, Laravel, XAMPP, Anaconda, Jupyter, WordPress.

Experience

Amazon Web Services - Software Development Engineer

October 2021 -August 2022 | Seattle, WA

- Worked on AWS Container Services namely EKS, ECS, Fargate for running and testing windows container workloads.
- Designed and implemented AWS CloudFormation templates to provision and manage ECS clusters and EKS clusters.
- Collaborated with team members for developing and implementing automated CI/CD pipelines to streamline the migration of Docker Enterprise Edition to Docker Community Edition for Windows containers in Amazon Machine Images.
- Implemented components using Cloud Automation AWS tools like S3, ECR, EC2, EC2 Image Builder, Lambda, CloudWatch, CloudFormation, AWS CodeSuite allowing customers to create and run custom images.
- Closely worked with customer's for resolving cloud-based container issues and modifying container images according to customer requirements.
- Technologies: AWS, Python, Go, Ruby, YAML, Docker, Kubernetes.

Projects

Distributed Directory Management System

Sep 2020 – Dec 2020

- Created a Distributed Client-Server Directory management system for performing CRUD operations.
- Developed backup management by synchronizing local cache and maintaining operation logs, allowing users to undo operations.
- Programming Technologies: Python, Tkinter GUI.

SPORTS FANTASY APPLICATION

Jan 2020 – May 2020

- Developed Scrapper to fetch game information and populate the database, which was linked to the application API.
- Created an android application to display live information of Popular sports and hold Football Fantasy tournaments.
- Designed REST API using Flask to connect Database to the android application, while supporting features such as user accounts for Fantasy scoring mechanism and game results notifications.
- Programming Technologies: Android Studio, Java, Python Flask, PostgreSQL

Image Colorization Service

Jan 2020 – May 2020

- Created a web application that inputs a grayscale image, which is run through a CNN model to convert the image into a colored image.
- The CNN model was created using keras, TensorFlow and the web interface was developed using Flask.
- Adapted the VGG-16 model to modify the CNN model to obtain 87% accuracy using flickr-image dataset.
- Programming Technologies: TensorFlow, Flask, Python, Heroku, Jupyter.

Driver on Hire

May 2019 – Dec 2019

- Designed a driver customer rental service where customers could arrange a request for ride services.
- Driver could filter Top 10 requests and choose the customer accordingly.
- Developed Backend API with Laravel where Database was managed using MySQL and Frontend validation and integration was done using JavaScript.
- Integrated Google Map API in driver's login to map direction from pickup to destination.
- Programming Technologies: HTML5, CSS, PHP, JavaScript, XAMPP, MySQL, Laravel.

Courses and Certificates

- Completed a deeplearning.ai authorized 'Deep Learning Specialization' Course offered on Coursera.