ASHENAFI T. GEBREYESUS

Looking for DevOps Engineer Position

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EXPERIENCE

DevOps Engineer and AWS Cloud Engineer

ELSE Corp, a Virtual Retail Company

📅 07/2021 - now   📍 Milan, ITALY

Deploy Machine Learning Apps for fashion industry on AWS ecosystem Using principles of CI/CD.

- Provisioning Infrastructure as Code using CloudFormation, Terraform
- Using Complete CI/CD with AWS CodeCommit, AWS CodeBuild, AWS CodeDeploy, and AWS CodePipeline
- Building Serverless application using AWS Lambda with Amazon API Gateway, S3, SNS, SQS ...
- Deploying ML and Deep learning models on AWS using ECS (EC2 + Farget) and ELB/ALB
- Containerize ML Apps using Docker and Docker compose for deployment

Deep Learning Engineer

ELSE Corp, a Virtual Retail Company

📅 09/2020 - 06/2021   📍 Milan, ITALY

Building an ML models for fashion industry and Deploy on AWS ecosystem

- Developing ML and Deep learning models on Amazon SageMaker
- Building Flask and Django web apps
- Build and deploy AI-powered Intelligent Video Analytics apps and services using DeepStream SDK and TensorRT
- Real time object detection using Nvidia Jetson device and industrial cameras

Data Scientist intern

UniCredit Services S.p.A

📅 09/2019 - 03/2020   📍 Milan, ITALY

Participating in different projects starting form Brainstorming upto deployment such as:-

- Implementing different ML algorithms used for Document classification using image processing and Pytesseract OCR
- NER(Named Entity Recognition) and Text Summarization with NLTK and SpaCy.
- Stamp Detection in different scanned documents using OpenCV and Deep learning
- Developing Micro services to dockerize and deploy using Flask Framework

System Developer

Mekelle University

📅 07/2015 – 06/2017   📍 Mekelle , ETHIOPIA

AWARDS

🏆 **Italian Government Full Scholarship**
MSc, Politechnico di Milano, Italy, 2017 – 2019

💓 **Mekelle Institute of Technology Scholarship**
BSc, Mekelle, Ethiopia, 2010 – 2013

💓 **High Score Award**
Excellent CGPA score in Mekelle University (CGPA 3.95/4)

STRENGTHS

- Skill on various programming paradigms
- Good understanding of cloud and web services
- Interest to learn new skills and frameworks
- Excellent communications skills
- Flexibility and Adaptability
- Experience in Agile(Scrum) methodology

SKILLS

AWS Technologies

- EC2, ELB, EBS, ECS, Farget
- S3, SES, SNS
- DaynamoDB,RDS
- VPC, IAM
- Lambda, API-Getway
- CloudFormation

ML and Deep Learning library and frameworks

- Scikit-learn
- Keras
- TensorFlow
- PyTorch

Programming Skills

- Python
- R
- Scala
- Java
- C++
- C

Development Tools and Technologies

- PyCharm
- VsCode
- Git
- Docker

Web Technologies

- HTML
- CSS
- JavaScript
- Node.js
- React

Database

- MySql
- Neo4j
- PostgreSQL
- MongoDB

- Development of software requirements, documents and validation processes.
- Preparation of software testing processes and reports.
- Developing a desktop application using java and MySQL
- Provided technical guidance during designing and code reviews.
- Conducted unit and regression testing and maintained test automation.

Web Developer
Mekelle University

📅 10/2014 - 04/2015   📍 Mekelle , ETHIOPIA

- Participated in a Volunteer Project "Hospital Management System" using HTML, CSS, JavaScript as front end and MySQL as backed for Ayder Referral Hospital, Mekelle, Ethiopia.

EDUCATION

M.Sc. Computer Science and Engineering
Politechnico di Milano

📅 Sept 2017 – July 2020

B.Sc. Computer Science and Engineering
Mekelle University

📅 Sept 2010 – July 2015

Main Courses: Machine Learning, Information Retrieval and Data Mining,Deep learning, Cloud Computing, Database Design2, Software Engineering2, Cognitive Robotics, Data Structure, Design and Analysis of Algorithms, Probability and Statistics, Operating Systems ...

PROJECTS

• Deployed and monitored several applications on cloud such as GitLab, SMTP-Server, Redmine and other private projects
• OCR Pipeline Microservice Development using Flask framework in Unicredit S.P.A, Italy
• MNIST Handwritten Digit Classification
• Iris Flowers Classification ML Project– Learn about Supervised Machine Learning Algorithms
• Boston Housing Price Prediction ML Project
• Ethiopian Money Recognizer using OpenCV and C++, Mekelle,Ethiopia
• National Identity Tracker, Tigray government, Ethiopia

Scripting Language

Python   UNIX Shell scripting

LANGUAGES

English   ● ● ● ● ●

Amharic   ● ● ● ● ●

Tigrigna   ● ● ● ● ●

Italian   ● ● ○ ○ ○

French   ● ○ ○ ○ ○

REFEREES

Available upon request.