Summary

Software Engineer with experience developing Java and Android applications. Can develop, integrate, and deploy AWS services. Can train and deploy Machine Learning models.

Skills

Languages

Fluent: Java

Intermediate: Python, C++, HTML & CSS, SQL

Learning: Spring

Frameworks, API, and Cloud services

Fluent: AWS services: Amplify, Android SDK, Google APIs

Intermediate:

AWS services: EC2, S3, Simple DB

Databases: MariaDB, MongoDB

Learning:

Machine Learning: Model development with **scikit-learn, TensorFlow, Keras**. Data representation with **matplotlib**.

AWS:

Model Training on Cloud Instances with AWS infrastructure, GAN training with **AWS DeepComposer**

Amazon SDK for Java

Experience

Open Source Contributions

scikit-image: Image processing

- Illustrated usage for natural sort algorithm by processing documentation in PR, which was successfully merged into master branch.

Free Lancing

Client: Cr*****U (Startup): Fintech Android App [Name withheld for client confidentiality]

- Accomplished feature engineering by communicating with client to develop overall project requirements.
- Designed technical project architecture from client documents to create future roadmaps for development.
- Designed and redesigned UI mockups by using client input which led to painless delivery.
- Created app screens and developed Java backend code to deliver app functionality for serverless authentication and data storage.
- Developed and deployed Amazon Web Services as a serverless backend functionality which reduced cost of development to far below client expectations.
- Created a class to interface AWS functionality with the app while maintaining abstraction between app layers. This led to much easier debugging and reduced development time.
- Managed client communications to aid them in developing suitable business processes.

Technologies used: Java, Android SDK and Google APIs, AWS Amplify, AWS SimpleDB, AWS S3

Key Projects

Machine Learning Projects

- Developed models for the following datasets: Pima Indians Diabetes dataset, Boston Housing dataset, Iris flowers dataset.
- Analyzed the StackOverflow 2019 developer survey.

Education

Bachelor of Technology in Computer Science and Engineering, CGPA:9.1/10, 2016-2020, from JIS University, Kolkata.

Certifications in Android development, Machine Learning, DBMS, AWS DeepComposer from NPTEL, Udacity & InternShala.