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# 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](https://github.com/scikit-image/scikit-image/pull/4599)

* 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.