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SUMMARY

Full-stack software Engineer seeking full-time positions. Experienced with web applications development and deployment, and equipped with PM-oriented teamwork skills. I created end-to-end web applications (frontend, API, and database) and developed data pipelines from scratch. Skilled with data engineering tools and cloud architecture.

TECHNICAL SKILLS

Programming

Advanced (+4 years): SQL, Python, Web development

Intermediate (1-3 years): Javascript, Java, R, C++, Ruby, Git, Splunk

Software Engineering

AWS stack (ECR, EC2, S3, Athena, Glue, Lambda), RESTful APIs, Ruby and Rails, Flask, NodeJS, Frontend, React JS, Angular, Shell (Linux), CI/CD, npm, Docker, Agile (Scrum), Unit testing

Data Science & Data Engineering

Extract, Transform & Load (ETL), Pandas, TensorFlow, Kares, H2O, EDR Design, Hive, Spark, Presto, MongoDB, Tableau, Excel, Image Classification

EDUCATION

Claremont McKenna College, Claremont, CA

May 2021

Bachelor of Arts, Computer Science (major offered through Harvey Mudd College)

Relevant Coursework

Data Structures, Algorithms, Software Development, Programming Languages, Artificial Intelligence, Neural Networks, Machine Learning with Neural Signal, Probability, Statistics

EXPERIENCE

Galaxy Semiconductor Intelligence (Remote)

Sep 2020 - Present

Software Developer

- Led the design and implementation of a **server-less application** backend to reduce runtime and cost using **AWS Fargate** and **Lambda**
- Developed machine learning models that improved faulty silicon wafers detection (classification) using **DBSCAN**, **neural network** and **Fast Fourier transform** (FFT)

Apple Inc., Cupertino, CA

Feb 2020 – Aug 2020

API Product Management Intern

- Utilized data in reducing the number of reported production bugs by analyzing API calls logs and communicating the insights to engineering teams to solve these issues
- Led an extensive investigation of user metrics, business KPIs, and revenue forecasting using complex SQL queries, Python scripts (**Pandas**), and Tableau
- Led **data quality assurance** for SQL queries that run automatically to generate Search Engine Optimization (**SEO**) reports for mobile advertisers
- Coordinated between engineering, quality assurance, marketing and sales teams to serve mobile ads for a new segment of applications
- Documented Restful API endpoints and updated the API specification

Claremont Graduate University, Claremont, CA

Feb 2019 – Dec 2019

Software Engineer Consultant

- Led the design and development of a containerized **React JS** application with **Ruby and Rails API** backend and **PostgreSQL** database to store user data
- Built an **AWS infrastructure** to connect **Ruby and Rails API** to data lake using **Terraform**, **AWS S3**, **Athena**, and **Glue Catalogs**
- Implemented authentication and user profile pages using Containers in **React Hooks**, **HMTL**, **CSS** and **JavaScript**
- Developed data extract, transform and load scripts to unify the datasets and increased variance explained in the data
- Featured-engineered** a Machine learning trainable dataset by developing data ETL and cleaning scripts for +10M data-points

OTHER EXPERIENCE

Harvey Mudd College, Claremont, CA

Dec 2020 - Present

Neural Networks Teacher Assistant

Claremont McKenna College, Claremont, CA

Aug 2019 - Present

Math and Computer Science Tutor

SOFTWARE PROJECTS

- MoodMusic: A **Swift/Obj-C** iPhone app
- Connect 4 **Python** App
- LSTM, RNN and CNN using TF