Rahul Sarkar

Title:	Software Development Engineer
Location:	Bangalore 560037, India
Languages:	Bengali (native), English (fluent),Hindi (fluent)
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Experience Summary

I am a graduate B.Tech Engineer, working as a software development engineer since the beginning of my career. As a software Engineer my roles and responsibilities are mostly comes under working with TD to build and execute API functional , ETL Data Pipeline ,and performance test plans of web apps in Python, Docker, celery, s3, Node.js, Express, Mongodb, Git and few others as per requirement to achieve our goals. We as a team make sure of the each and every delivery in production which satisfies customer need and expectation where we can explore further and maintain the quality. Besides that we collect, analyse and interpret large datasets to build new forecasting ML models and performing data management tasks .

Experience

Application Engineer (Team Lead)
L&T Technology Services Limited
Bangalore, India/ Jul 2020 – Till Date

Vibrent Health, Data Science ETL pipeline project

- Involved in architecture, flow and the database model of the application.
- Developed the ETL jobs as per the requirements to update the data into the staging databases (Postgres) from various data sources and rest API's.
- Developed analytical queries in SQL-Server and No-sql server.
- Developed python flask framework API.
- Containerized and Deployed the ETL and REST services through the CI/CD Jenkins pipeline.
- Worked on optimizing and memory management of the ETL services.

- Developed Data pipelines using Celery framework and pandas and build reusable components.
- Evaluated business requirements and prepared detailed specifications that follow project guidelines required to develop written programs.
- Wrote scripts in Python for Extracting Data from JSON files.
- Developed a data consumer which takes the data from the Redis queue .
- Worked closely with data science for migrating the prediction algorithms/models to Python sciKit-learn and NLP.
- Provide leadership and advice TD API implementations. Implement software components according to the design specifications
- Participate in estimating project efforts and delivery timelines and client meetings to deliver the best outcome.

Software Development Engineer (Web development engineer)
Marmeto technology
Bangalore, India/ Jan 2020 – Jun2020

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- Integration of Shopify, 2factor sms API.

Sr. Analyst Software Engineer (Sr. analyst Software engineer)
Capgemini Technology services India Limited

Bangalore, India/ May 2018 – December 2019

- Work with TD to build and execute API functional and performance test plans
- Server-based functions development and integrating python function into models.
- Provide strong technical leadership and guidance to TD development/project teams, including teams that are geographically distributed

- Provide leadership and advice TD API implementations. Implement software components according to the design specifications
- Participate in estimating project efforts and delivery timelines and client meetings to deliver the best outcome.
- Pre-process the data to train the model and testing purposes.
- Design and implement data models, perform statistical analysis and create predictive analysis models for ML in Python.

BYJU's/ June 2017 – May 2018
- Sales and marketing, Build strong customer relationship

Technical Skills

- **Primary skills:**
  1. Python 3, Docker, Celery framework, AWS, Redis, Node.js, Express, Mongo dB, API integration.

  2. Front-end: HTML, CSS, Bootstrap

  3. AWS : EC2 instances, S3 buckets, IAM, Lambda, serverless

- **Regression & Classification:** Linear, Multiple linear, Polynomial, SVR, Decision tree & random forest, confusion matrix, Logistic, Clustering, Reinforcement Learning, sci-kitlearn, pandas, matplotlib, numpy,

- **Web Technologies:** Selenium web driver **,** REST API's, Express,

- **Databases:** MongoDB, Postgresql

- **Platforms:** Linux, Windows.

- **Devops tool** : Git, Nagios, Bitbucket

Projects completed

- Developed ETL pipeline smart watch project.

- Developed Access management portal for internal project hardware management (Node.js, Express, Mongodb / HTML5, CSS, Bootstrap)

- Developed Location based node API (can take custom range).

- Developed Auto report generation API.

- Developed import csv parsing API .

- Two factor signup & signin System.

- Own Blog website : https://sparkrs.herokuapp.com/

- Data analysis in Power System and load scheduling (College final year project) .

- Shopify ecommerce web project

Training, Certifications & Affiliations

- Web development boot camp on udemy
- Machine learning & Data Science A-Z training on udemy
- Ethical hacking on udemy

Achivements

- Star performer in the entire project in Capgemini in the year of 2018.
- Customer appreciations.
- Certificate of appreciation nominated by IEEE in college.

Higher Education

- **Bachelors of Technology / Electrical Engineering**
  West Bengal University of Technology, West Bengal, India 2013 - 2017

- **Higher Secondary Education/ Pure Science**
  West Bengal Council of Higher Secondary education (XII), West Bengal, India 2011 - 2013

- **Secondary Education/ Pure Science**
  West Bengal Board of Secondary education (X), West Bengal, India 2010.

Date: Signature: _____