

Parvathirajan Natarajan



Contact

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Tools and Technologies

- ✓ Python, GO and Core Java
- ✓ SQL – MS SQL Server, Redshift, Oracle
- ✓ AWS – S3, EMR, Lambda, RESTful API etc.
- ✓ Spark
- ✓ Apache Airflow
- ✓ Docker
- ✓ Version Control – GitHub, Bitbucket
- ✓ Power BI, Tableau
- ✓ UNIX, Shell Scripting

Interests & Hobbies

- ✓ StackOverflow Contributions
- ✓ Web Page Development
- ✓ Open Source Project Development
- ✓ Music, Games & Travel
- ✓ Small Scale Trading

Languages

- English
- Tamil

Summary

Parvathirajan is a Software Developer, specializing in Framework development and Cloud technologies with 4+ years of experience. Experienced with all stages of the development cycle of Data Analytics and Cloud Migration Projects. Well-versed in numerous programming languages including Python, Go, and Strong knowledge in SQL, Relational Databases, AWS, Docker, CI/CD, Databricks, Spark, Scala, Apache Airflow, Kafka, etc., Strong background in project management, Agile, and customer relations.

Education

B.Tech., Information Technology

2013-2017

Brief Journey:

- Worked on the Mini Project which we named Smart Crawler.
- The Project was fully related to the SEO with Java and it has been done with Eclipse IDE. The main Moto of the project is to optimize the time consumption of Data retrieval, from multiple web pages with some basic concepts, which was related to the Beta version of Google Web Crawler.

CGPA: 7.5



Experience

Deloitte Shared Services India LLP.

02/2021 - Present

Contractor/Software Developer

Clients:

- Contractor of **Deloitte**, Permanent Employee of **Infinite Computer Solutions Pvt Ltd.**
- Working for **State Auto Financial Corporation**, as a Software Developer.

Contributions, Roles and Responsibilities:

- Working as a Contractor for Deloitte and as a Software Developer for State Auto Insurance.
- Developing and Enhancing MT & Frontend Layer for Stateauto insurance Claims portal (<https://submitclaim.stateauto.com/>).
- Collaborate with the Client to get the requirements and to create a proper plan for the process build.
- Create or Enhance Lambda functions and Services, Frontend Pages.
- Carry out quality assurance tests for the Developed Product.

Technology Stack:

- Python, AWS - Lambda, SAM, API, Dynamo DB, etc., Typescript, React

Recent Accomplishments

- Won the cash prize of \$1000 in Systech Hackathon 2020 for the Python project called Dates. It is a file converter utility to convert the nested JSON, XML file into a flatten file and many other conversions are available around 30+ possibilities. Code is yet to be pushed into python-pip/GitHub as an open-source tool.
- For Fox Corp., - Created a Generic Python framework (For all internal projects or teams) to load data from S3 to Redshift irrespective of the data formats.
 - **Technology Stack:** AWS S3, Redshift, Python Libraries - boot, pandas, s3fs etc.,
- For Fox Corp., - Build a Data streaming process for Ad analytics. Build consumer to get the Data from Kafka Producer and created a most reliable framework to process the data.
- For Fox Corp., - Build a Container for Data Migration from Oracle into Redshift. Based on the table lists posted in the S3 path, the container will start to extract the required data/tables from Oracle and create tables automatically, the container will start picking the incremental files.
- For Fox Corp., - Completed a web scrapping project: Web Data extraction automation to apply filters in the front-end application and download or extract the data, also create a Data Pipeline to make it structured data for the Reporting layer.



Professional Exposure

Systech Solutions Inc.,

09/2017 – 02/2021

Software Engineer

Clients:

- 21st Century Fox/Fox Corporation, Data Engineer
- Mercury Insurance, Data Engineer
- Tillys, DBA and Support Engineer

Overview:

- Fox Corporation is an American mass media company. The company was formed in 2019 because of the acquisition of 21st Century Fox by The Walt Disney Company; the assets that were not acquired by Disney were spun off from 21st Century Fox as the new Fox Corp., and its stock began trading on January 1, 2019.
- This role in Fox Corporation is to migrate the Internal projects and different environments as part of the Walt Disney acquisition, Enhancements for the existing process.
- Completed the Data Migration POC for Mercury Insurance, from Netezza to Redshift.

Contributions, Roles and Responsibilities:

- Discussed with onsite leads/Clients for getting requirements, Involved in all part of Development Lifecycle.
- Preparing documentation – Technical Specification, Design and QA
- Managing the on-time project deliverable.
- Develop project concepts and maintain optimal workflow. Maintained the CI/CD pipeline for the project.
- Automate the process with Python Frameworks and Process pipeline to reduce the time and effort

Technology Stack: AWS – S3, Redshift, EMR, and Lambda, UNIX, Scripting Languages – Python, and Shell, Docker, Bitbucket, Apache Airflow, Kafka, Spark, Netezza, AWS SCT and Databricks.