

EXPERIENCE

Software Development Engineer - II **GO DADDY** **January 2018 – Present**

- Primary contributor for **Asherah**, an open-source application encryption SDK used to encrypt all P* data.
- **Developed the test framework** which performs integration tests using pluggable components to make the code production ready.
- Member of the Data Platform team building out our data pipeline using technologies such as **Kafka, Hadoop, and Elasticsearch**.
- **Automated the configuration** of the data-nodes and shell nodes on the Platform Storage team using orchestration tools like **Puppet**.
- Showed **extreme versatility by being able to do anything required of me**, including miscellaneous data-centre requests, setting up sensu alert system, networking and firewall rules, and more. Developed extensible scripts to provide useful insights for the existing data.

Software Engineer – Big Data **MOBILEUM** **April 2015 – June 2016**

- Developed data models for over 10+ modules, to solve complex business problems using **Hadoop, Pig** etc. and automated them using **Oozie**.
- Implemented end to end system for **information identification and fraud detection** of telecom subscribers using **map reduce** programming paradigms in a database containing over 70 million records.
- Optimized the existing build procedure to **drive maximum performance using CICD pipelines and Jenkins** and **saved 20% of each build time**.
- Development of **Travel Prediction and Persona Classification** jobs which campaigned over 10 million international users before the start of travel **resulting in increase of revenue** for telecom operators.

Software Engineer **SAMSUNG RESEARCH INSTITUTE** **June 2013 – Feb 2015**

- **Resolved and fixed critical Android application framework issues** throughout the software life-cycle, from **requirements definition, through successful deployment** in various smart-phones, tablets and wearable devices.
- **Engineered proof of concept** on Pen-Window feature which was implemented in various SAMSUNG flagship devices through **Android application framework**, and also re-modelled its HELP GUI to enhance the overall user experience.
- Worked on Tweaking app-entry animations, checking for memory leaks and reducing resource usage which **boosted performance of low end smart-phones by 15%**.

EDUCATION

Master of Science – Computer Science **December 2017**
Arizona State University, Tempe, AZ **GPA – 3.74/4.00**

Bachelor of Technology – Computer Science & Engineering **May 2013**
HBTU Kanpur, India **GPA – 7.9/10.0**

SKILLS

Programming: JAVA, Python, C/C++, JavaScript, HTML, SQL, Bash
TOOLS/Frameworks: Hadoop, HBASE, Pig, Spark, Android, AWS, D3, Postgres, Bootstrap, REST, GIT, Perforce, Jenkins
Programming Paradigms: Object Oriented Design, Test Driven Development, Agile and Scrum Methodologies, Version Control
Soft Skills: Functional Expert, Innovative, Self-starter, Team player, Detail Oriented, Strong problem-solving skills

PROJECTS

EXCEL RECORD READER [<https://github.com/nikoo28/ExcelRecordReader>]

- Created a map reduce input format to read Excel files from **HDFS for Hadoop using Apache POI framework**.

GEO-SPATIAL DATA ANALYSIS USING GEO-SPARK [<https://github.com/nikoo28/CSE512/Project>]

- Determined top 50 pick up locations of NYC Yellow Cab from over a billion records using the Getis-Ord statistic for geo-spatial data.
- Performed **indexing and classification in a distributed database system using 2 map reduce phases**. Technologies used: **Geo-Spark and Scala**.

DATA VISUALIZATION AND ANALYTICS [<https://github.com/nikoo28/visualizingTeamComparison>]

- Implemented an interactive visualization system using D3 and Javascript to intuitively formulate latent causes affecting the outcome

CONFIGURATION FILE PARSER [<https://github.com/nikoo28/ConfigurationFileParser>]

- Created an open source library that reads structured **INI** configuration data, **using Maven and JAVA**.
- Developed functionality to automatically infer data types(strings/lists/boolean/numbers) and make it available via the included interfaces.

RESTFUL MESSENGER [<https://github.com/nikoo28/RESTfulMessenger>]

- Created a basic REST API application for a social messenger using **JAX-RS, Jersey** and **deployed them on a Glassfish server**.
- Added support to upload files, GET/POST/PUT methods for messages and profiles in a JSON file format.

ACTIVITIES

- Active contributor on Stack Overflow
- Participated in various Hackathons
- Open source lover
- Freelancer
- Organized technical events in school
- Design freak

