RACHIT THIRANI

100 Taylor Ave N, Apt A317, Seattle, WA - 98109,   919-771-6184 , rachitthirani@yahoo.com
Linkedin - https://www.linkedin.com/in/rachitthirani/ , Portfolio - https://rachittthirani.github.io

EDUCATION

MASTER OF COMPUTER SCIENCE – NC STATE UNIVERSITY, RALEIGH, NC – AUG 2016-DEC 2017

BTECH IN INFORMATION TECHNOLOGY – MANIPAL UNIVERSITY, MAINPAL, INDIA – 2010-2014

EXPERIENCE

SENIOR SOFTWARE ENGINEER – HBO, WARNERMEDIA – APRIL 2021 - PRESENT
SOFTWARE ENGINEER 2 – HBO, WARNERMEDIA – JULY 2020 - APRIL 2021

- Designed and developed CI/CD pipeline for serverless framework enabling unit test, integration tests and deployment of serverless infrastructure and functions in AWS Accounts.
- Added functionalities to the generator to generate boiler plate code for server less applications
- Designed and developed Custom Metrics frame work used across the whole org to efficient utilize custom cloud watch metrics. Integrated it with Pometheus and Grafana.
- Gave multiple KT sessions and Tech Demos to help engineers move their infrastructure and code from Kubernetes to AWS Lambda.
- Technologies Used - **NodeJS, TypeScript, Kubernetes, AWS, Jenkins, Go**

SOFTWARE DEVELOPMENT ENGINEER – AMAZON ALEXA, MLPS – FEBRUARY 2019 - JUNE 2020

- Designed and developed server less applications using Native Amazon Web Service for Amazon scientists to run their experiments faster and efficiently.
- Designed and developed applications to efficiently use clusters, used to run Machine Leaning experiments , which resulted in saving millions of dollars.
- Designed and developed Instrumentation frame work used by the Machine Leaning Platform Services Team, to track the progress and capture adverse failures on time to reduce the impact.
- Solved multiple high severity issues and improved the ticket queue by solving recurring issues by diving deep into the issue and coming up a solution, improving the overall project performance.
- Designed and developed a tool to automate customer onboard with the services, provided by Machine Learning platform Services Team, efficiently by reducing the time required   to onboard form 2 weeks, with manual intervention to 2.5 hours.
- Gave multiple KT sessions to train existing and new team members.
- Technologies Used - **Java, Python, Mockito, Dagger, Guice, Lambda, SQS, SNS, Step Functions, Kinesis, AWS**

SOFTWARE ENGINEER – CISCO – MAY 2018 - FEBRUARY 2019

- Developed a Multi Cloud Management Platform.
- Wrote Restful APIs for CRUD operations, APIS to connect with Cloud Service Providers and utilize their services. manage all operations through single portal.
- Wrote Modular Code for CI/CD.
- Technologies Used - **Go, Cassandra, Swagger**.

COMPUTER PROGRAMMING INTERN – CIPM,NCSU – SEPTEMBER 2017 - MAY 2018

- Modifying and cleaning data.
- Creating and evaluating different machine learning techniques for prediction.
- Wed developer
- Technologies Used - **Python, R, Pandas, Wordpress**.

INTERACTIVE DEVELOPER L1 – SAPIENT NITRO – 2014-2016

- Specialized developer in **Front-End** domain for several multi-million dollar clients.
- Developed and tested responsive components with cross browser compatibility for client's webpages.
- Reduced the maintenance effort required by automation of CSS for all clients's modules using GRUNT and LESS.
- Track Lead and Point of Contact for all Front End development.
- Additional Technologies Used - **HTML5, AJAX, Javascript, JQuery, Bootstrap, NodeJS, AngularJS, CSS3**.

SKILLS

- **Computer Languages** - C, C++, Java, Python, Go
- **Data Science** - R, Apache Kafka, Spark, Doc2Vec, NetworkX, Numpy, Scipy, Pandas, Matplotlib, NLTK, Scikit-Learn
- **Web Development** - HTML5, CSS3, Grunt, Javascript, NodeJS, LESS, AJAX, HandleBars, AngularJS, ReactJS
- **Cloud** - AWS, DynamoDB, Map Reduce, Distributed Systems, Kinesis, Pig, Hive, Hadoop Amazon EC2

PROJECTS - GitHub - https://github.com/rachitthirani