RAGHUVEER NARAHARISETTI

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SUMMARY

A Software & Data Engineer with 3+ YOE in building cloud-native backends and strong foundation in programming language theory, seeking internship and full-time opportunities to build robust software and a exciting career.

SKILLS

Languages	Python, Java, TypeScript, Rust, SQL (postgres), Scala, Haskell, OCaml, C++
Tools, Frameworks	AWS, Microservices, Git, pandas, apache-parquet, pyspark, terraform, sasylf

EDUCATION

Master of Science in Computer Science, University of Wisconsin Milwaukee   Expected Dec-2022
Coursework - Type systems for programming languages, Algorithms, Advanced Algorithms, Program Analysis techniques, Compilers(S22), Functional Programming (S22)
Bachelor of Computer Science Engineering, Andhra University, Visakhapatnam   2014 - 2017

WORK EXPERIENCE

Project Assistant Full Stack Software Engineer   Oct 21 - Present
University of Wisconsin - Milwaukee   *Milwaukee, WI*

- Building a Data Science learning platform for high school students using AWS Cloud and React in the frontend.

Software Engineer   June 2017 - Dec 2020
Factset   *Hyderabad, India*

- Designed and developed a highly scalable logging/telemetry/event-notifications service using **AWS KINESIS, FARGARE** for microservices to notify various engineering teams with events on datalake with subscription model.
- Developed Platform-as-a-service on top of AWS that lets various teams quickly develop/deploy/run ML services on pipeline by building **DOCKER** images, thus increasing the developer productivity by up to 80%.
- Developed orchestration service for datalakes pipeline using **APACHE-AIRFLOW**
- Designed and developed **AWS SQS** backed backend service that scales up to **10M** files per minutes to process the various file formats to parquet format and save on S3.
- Volunteered in the design meetings of other teams using datalakes.
- Helped to promote **Test-Driven Development** in the team by contributing unit and integration tests to various of the pipeline and building an unified framework to develop non-relevant microservice endpoints using **pytest**

Software Development Intern   April 2016 - August 2016
Kalpah Innovations   *Visakhapatnam, India*

- Developed web-applications using HTML/CSS/JS/Bootstrap for front-end and Java/JSP as back-end.
- Designed and developed micro-services for running the cpu intense core algorithm, authentication and various CRUD operations. Technologies used: **Java, Jsp, Hibernate**

PROJECTS

- Implement research paper CFA2 (Scala)
- dfql (dataframe query language for database)
- Sasylf (mechanized proof) for fully typed lambda-calculus type system