

KAUTIL REDDY

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EDUCATION:

University of Texas at Dallas

May 2020(expected)

Master of Science, Computer Science

GPA: 3.9/4.0

GITAM University, Hyderabad

May 2016

Bachelor of Technology (B.Tech), Computer Science

GPA: 3.9/4.0

TECHNICAL SKILLS:

Programming/Scripting Languages: Java (expert), Python, JavaScript , C & SQL.

Databases: Postgres, MongoDB, JDBI

Server Frameworks: Java Dropwizard, Node.js with Express

Server Testing: JUnit, Mockito, pytest, jasmine

Front End: jQuery, Bootstrap, d3.js

Build and Deployment: Gradle, AWS, GitHub Pages

Miscellaneous: ANTLR, JavaFX

EXPERIENCE:

Software Development Engineer (Engineer#1) - Tinkerix Technology

Sept/2016 - Aug/2018

- Built an application in Java using the dropwizard framework that analyses user's mobile usage data and recommends the best operator plan that provides the best savings.
- Optimized DB structure and SQL Queries to achieve a 3x faster query times.
- Migrated parts of the code base to use Java 8's parallel streams and lambda expressions.
- Developed and Maintained the company's website (<https://cell.fish/>) and internal admin page.
- Created a system of web scrapers (with jsoup) and text parsers (with ANTLR) to obtain relevant information present in pieces of text captured from internet.

Developer Associate - SAP Labs India

June/2016 to Aug/2016

- Worked on SPARK Test automation tool.

Software Engineering Intern - Model N India

Feb/2016 to April/2016

- Built a 'Cloud Health Management Server' that stores health information about different servers through agents and displays this info on a dashboard in real-time.

PROJECTS:

Node.js Application that Analyzes Usability of Web Pages (<https://github.com/...>):

May/2016

- Built (MEAN Stack) and hosted a web application that analyses the usability of web pages.

Distributed file hosting system with Java:

March/2019

- Built a system of communicating servers that hosts a set of files which can be concurrently modified by clients.
- Implemented the Ricart-Agrawala algorithm for distributed mutual exclusion, with the optimization proposed by Roucairol and Carvalho for safe file modification.

Portfolio Website (<http://kautilreddy.com/>):

Aug/2017

- A responsive, touch-friendly & mobile-friendly website hosted on GitHub Pages.

ADDITIONAL INFORMATION:

Eligibility: (F1-Visa) Eligible to work in the U.S for internships without sponsorship.