

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.
Server (& Serverless) Frameworks:	AWS Lambda, Java Dropwizard, Node.js with Express
Databases:	Postgres, MongoDB, JDBI
Server Testing:	JUnit, Mockito, pytest, jasmine
Front End:	React with Redux, jQuery, Bootstrap
Build and Deployment:	AWS CloudFront, AWS ApiGateway, Gradle, GitHub Pages
Miscellaneous:	ANTLR, JavaFX

EXPERIENCE:

Software Development Engineer Intern – Amazon Inc.	May/2019 - August/2016
<ul style="list-style-type: none">Built a React based web application backed by AWS Lambda that enabled remote configuration of Stow-By-Light for Amazon Delivery Stations.This tool has reduced light configuration time for a delivery station from days to hours and was adopted to configure production systems by the end of my internship period.	
Software Development Engineer (Engineer#1) - Tinkerix Technology	Sept/2016 - Aug/2018
<ul style="list-style-type: none">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.Developed and Maintained the company's website (https://cell.fish/) and internal admin page.Replaced the existing system of manual parsing by creating a system of web scrapers and text parsers to obtain relevant information present in pieces of text scraped from internet.	
Software Engineer Intern - Model N India	Feb/2016 - April/2016
<ul style="list-style-type: none">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:

Distributed file hosting system with Java:	March/2019
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.