

SRISANMATHI RAMACHANDRAN

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SUMMARY

SOFTWARE ENGINEER - Creative minded professional with a keen interest in Software Development. Excellent understanding of design patterns and their application. Excel in collaborating with peers; quickly adapt to new technologies.

EDUCATION

Master of Science in Computer Science

University of North Carolina at Charlotte, Charlotte, NC

May 2020

GPA: 3.8/4.0

Bachelor of Engineering in Computer Science

Kumaraguru College of Technology, Tamil Nadu, India

May 2018

GPA: 3.3/4.0

TECHNICAL SKILLS

Languages : Java 8, JavaScript (ES6), Python, SQL, HTML5

Frameworks : NodeJS (Express), ReactJS, Angular 6, CSS3, React Native, Spring Boot

Tools : Git, Jira, Postman, Swagger, Selenium, Mocha, Junit, Docker, Kubernetes

Databases : MySQL, MongoDB

Cloud Technologies : AWS(EC2, S3, RDS, Lambda, API Gateway), Google Cloud(Firebase), Azure, Digital Ocean, Heroku

EXPERIENCE

Graduate Teaching Assistant

Jan 2020 – Present

University of North Carolina at Charlotte, NC

- Assisted head faculty for the Database Systems (SQL, NoSQL, AWS) graduate course and involved in classroom teaching
- Increased class performance by encouraging active class participation and mentoring students

Software Developer Intern

May 2019 – Aug 2019

Resolve Inc., Ohio

- Worked on an Agile (Scrum) Development team to deliver regular updates to business team and project managers
- Developed a mobile application for Android and iOS platform using React Native framework
- Interacted with Firebase and Google Cloud Functions for authentication and storage of data
- Used Git for version control and Jira for project tracking
- Contributed heavily to the release of the beta version of the product to the targeted customers

Graduate Research Assistant

Jan 2019 – May 2019

University of North Carolina at Charlotte, NC

- Worked on a research project using Wi-Fi sensing to identify humans based on body shape and movement patterns
- Used ReactJS framework along with Material UI, React Bootstrap and Redux libraries
- Analyzed survey data and summarized the facts with graphs and tables using d3.js

Software Engineering Intern

Mar 2018 – May 2018

Astra Infosys, India

- Worked with a team of 5 members to develop and maintain Spring Boot enterprise Java applications
- Developed SQL queries, views, stored procedures, indexes, events and triggers to efficiently retrieve data
- Performed automation using Selenium Web Driver to conduct functional testing

RELEVANT ACADEMIC PROJECTS

Amazing Places Finder (Angular 8, NodeJS, MongoDB, Swagger, Azure Cognitive Services)

Mar 2020

- Developed a MEAN stack app to store, filter and display places of interest using MVC design pattern
- Created the user interface using Angular 8 and backend using NodeJS/ Express framework
- Performed Unit testing using Mocha, validated and authorized users using JWT tokens
- Enabled persistent data storage with NoSQL MongoDB Atlas cloud using mongoose
- Used web search capabilities of Bing by fetching news articles about a place from Microsoft Azure News Search service
- Documented the code by creating Open API specification for the RESTful API using Swagger
- Deployed the application on Digital Ocean droplet using Nginx and PM2

Cinemax Movie Portal Application (ReactJS, Java 8, Spring Boot, MySQL, Postman)

Jan 2020

- Created a Spring Boot application by utilizing Spring MVC to create REST API endpoints
- Connected to MySQL database using Spring Data JPA and mapped objects and classes to tables
- Performed unit testing using Junit testing framework and managed the application using Actuator
- Used ReactJS framework to develop the front-end user interface to display the movies list