

Gokul Mani

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EDUCATION:

University of North Carolina at Charlotte	Aug 2019 – May 2021
Master of Science, Computer Science	GPA: 4.0
Anand Institute of Higher Technology (Anna University), Chennai, India	Jun 2012 – Apr 2016
Bachelor of Engineering, Electronics and Communication	GPA: 7.19/10

SKILLS:

Programming/Scripting Languages: Java, JavaScript, TypeScript, HTML, CSS, SQL.

Frameworks/Technologies: Node.js, React.js, MySQL, Selenium Web Driver, Git, JSON, RESTful Web Services, Puppeteer, Playwright, Mocha, Chai, Spring Boot.

Tools: Jenkins, TeamCity, Eclipse, Visual Studio, Android Studio, GitHub, GitLab, Bitbucket, Atlassian JIRA, Confluence, HP ALM, QTest, Gatling, Taiga Project Management, Trello, Rally Test Management, Postman, Microsoft Office.

WORK EXPERIENCE:

Software Engineer in Test, Oracle America Inc., US Jun 2021 – Present

- Responsible for testing Netsuite Applications for Oracle Netsuite.
- Worked on developing the UI automation framework with webdriver.io using JavaScript.
- Worked on writing UI Automation tests with Webdriver.io using JavaScript.
- Following agile framework for the work process.
- Customer issues debugging and working with the developers to get the issues resolved.
- Performing code reviews for frontend, backend and e2e automation code.
- Reporting bugs in Jira and ensuring the defects are resolved before SLT.

QA Analyst Intern, Sony Interactive Entertainment, US

May 2020 – Nov 2020

QA Analyst Intern, Yoh (Client: Sony Interactive Entertainment), US

Dec 2020 – April 2021

- Responsible for testing the internal applications used by PlayStation.
- Worked on UI and API automation testing with Puppeteer Mocha/Chai and Playwright Mocha/Chai Node.js libraries using JavaScript.
- Developed and implemented new test scenarios and test cases to maximize efficiency and minimize the processing time.
- Ensured customer satisfaction by finding and reporting all the bugs in JIRA.
- Followed the Scaled Agile Framework and Agile Methodologies for the work process.
- Worked on executing load tests with Gatling and analyzing the results for measuring the application's performance.
- Developed an automation suite for comparing the performance metrics of an application's old version and newer version and depicted the output in a graphical format.

Graduate Teaching Assistant, University of North Carolina at Charlotte

Jan 2020 – May 2020

- Responsible for maintaining the curriculum, designing questions for assignments, and writing conceptual/coding questions for the Operating Systems and Networks course.
- Evaluated student submissions, assisted students, and resolved questions/concerns they had regarding the course and assignments.

Software Engineer, Wipro Limited (Clients: Kohl's and MasterCard), India Jun 2016 – Jul 2019

- Responsible for testing the Point of Commerce Applications for Kohl's and internal applications used by MasterCard.
- Created and executed test cases for manual testing of functional, UI, API, batch, end to end, smoke, ad-hoc, integration and regression testing.
- Worked on UI Test Automation using Selenium with Java and used Jenkins for CI pipelines.
- Worked on Functional Testing of internal mobile applications in Android and iOS.
- Analyzed test execution failures, raised Defect in JIRA/Rally and worked with the development team to find the root cause of the failures.
- Worked on creating traceability matrix to ensure comprehensive test coverage of requirements.

CERTIFICATIONS:

- SAFe Scrum Master Jan 2022

ACADEMIC PROJECTS:

Bird Sighting CRUD Application using Spring Boot, JPA and MySQL Mar 2021

- Developed a Bird Sighting Application that enables the user to create, update or delete bird species, and to create update and delete bird sighting associated with a particular Bird Species by using many to one relationship

COVID-19 Tracker Application using React.js, Firebase and Material UI Aug 2020

- Developed a Single Page Web Application using React with interactive user interface that provides a live count of Corona Virus cases across the globe with graphical representation using Maps and Charts fetching data from disease.sh API service

Weather Application for Android using Java and REST APIs Feb 2020

- Developed an Android Mobile Application that enables the users to view the weather details of a selected location
- The weather information was retrieved via API from <https://developer.accuweather.com> in JSON format which was then parsed and displayed in a recycler view

Blood Bank Full Stack Application using Angular, Node.js and MySQL Dec 2019

- Implemented a Responsive Web Application for hospitals to access the quantity of blood available for each of the blood groups in a blood bank and order the blood they require along with the quantity and urgency
- This is a Full-stack project that includes the creation of User Stories, Acceptance Criteria, Tasks, managing sprints, Software Development (Both Backend and Frontend) and performing unit testing

Food Delivery System using MySQL Nov 2019

- Implemented a Database with multiple instances for Real-time Food Delivery System with large number of data
- Created schema, Enhanced Entity Relationship Model and Data Dictionaries. Used DDL, DML, DCL, TCL query techniques, Triggers, Views, Stored Procedures and Query Optimization to setup the database
- Implemented Data Backup, Recovery Mechanisms and Security Procedures on the Database

Comparative Analysis of Sorting Algorithms using Data Structures & Algorithms in Java Oct 2019

- Implemented different sorting algorithms (Quick sort, Merge sort, Insertion sort and Heap sort) with various datasets that includes different constraints like number of iterations, time complexity and reduced CPU consumption significantly with code optimization