**SANJAYKUMAR RAMACHANDRAN**

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**SUMMARY**

Established Software Engineer with 1+ years of experience in IT Industry, completed a master’s degree in Advanced Computer Science at University of Sheffield. Actively seeking a full-time job as Full Stack developer to enhance my technical skills further.

Currently on **Graduate Visa** expiring on **December 27, 2025**

**EDUCATION**

**University of Sheffield** *September 2022 - September 2023*

MSc Advanced Computer Science 2:1 Degree

**Coimbatore Institute of Technology**, **India** *June 2016 - Sept 2020*

BE Computer Science Engineering **CGPA:** 8.41/10

**WORK EXPERIENCE**

**Bosch Global Software Technologies Private Limited, India**

Associate Software Engineer *January 2021- June 2022*

* Collaborated in a team of 20 members, following agile methodologies for efficient software development.
* Led base software development, writing C and Python codes.
* Implemented and managed Jenkins for the production pipeline, ensuring smooth and reliable software delivery.
* Conducted comprehensive testing procedures, guaranteeing the quality and reliability of the software.

**SKILLS**

* **Programming Languages:** Java, C, Python, JavaScript, Typescript, PHP, SQL, Kotlin
* **Front end Technology:** React.Js, HTML, CSS, Vue.Js, JQuery, JSON.
* **Back end Technology**: Node.Js, Express.Js, Java, PHP
* **Database and Cloud Services:** Amazon Web Services Lambda, Amazon Web Services DynamoDB, MongoDB.
* **Software Development:** Git for version control, Github Actions, Jenkins, DevOps, CI/CD Pipelines, AWS developer console, Agile Methodologies, Unit and Functional Testing, Full stack development, npm, yarn, Postman, WordPress, Rest API services, Android Studio.
* **Soft skills:** Coding and Debugging, Documentation, Communication skills,Problem Solving, Team Player, Time Management, Attention to detail, Organizational Skills, Innovative Thinking, Continuous learning, Leadership, Scrum master.

**UNIVERSITY PROJECTS**

**Gym Buddy Alexa Skill for Amazon Echo** *Jun 2023 - Aug 2023*

* Successfully developed a custom Amazon Alexa skill for the Echo device which generates tailored gym workout plans based on user’s fitness level and fitness goals, earning distinction marks for project excellence.
* Demonstrated proficiency in AWS DynamoDB for efficient data storage.
* Implemented backend functionality seamlessly using JavaScript for Alexa integration.
* Leveraged AWS Lambda for serverless execution, ensuring scalability.

**Bird Sighting Application** *Apr 2023-May 2023*

* Developed a blog website application where users may share images of bird sightings using Node.Js, React.Js, MongoDB and Express.Js.
* Enabled users to seamlessly create, access, annotate, and comment on reports within the blog website application.
* Integrated caching, local storage, and No-SQL database server storage for efficient data handling.
* Implemented Node.js to craft a responsive chat interface, enhancing user engagement.
* Utilized web sockets and local storage to facilitate real-time annotation processing, achieving high-speed updates.

**Solar Offset** *Apr 2023-May 2023*

* Spearheaded the use of JavaScript, Node.js, MongoDB, Git, Vue.js, yarn in the creation of a customer-centric website dedicated to facilitating solar panel investments.
* Led a dynamic team of 5 members in the design and development of a website tailored for solar panel investments.
* Implemented agile methodologies to ensure efficient project management and collaborative development.

**City-based personal photo management application** *Nov 2022- Dec 2022*

* Successfully led the end-to-end development of a city-based travel application using Android Studio and Kotlin.
* Designed and implemented features for photo/image display of landmarks and points of interest within cities like Sheffield, London, Manchester, etc.
* Enabled users to organize and manage geolocated photographs, providing seamless access and modification of relevant image information.
* Employed MVVM architecture, multithreading, and Room database for efficient data management and presentation.

**EXTRA CURRICULAR ACTIVITIES**

**Secretary of Arts club, Coimbatore Institute of Technology** served as the Secretary of the Arts Club, holding a pivotal role in fostering creativity, artistic expression, and a sense of community within the club.

**Member of Youth Red Cross Club, Coimbatore Institute of Technology**

As a member, actively engaged in a variety of humanitarian activities and initiatives that may include organizing blood drives, conducting first aid and disaster preparedness training, and participating in community outreach programs.