**Daryl Valairan Ramesh**

**DETAILS**

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**EXPERIENCE**

**ModiFace (2022 - 2024)**

**Full Stack Software Developer**

As a full-stack developer at Modiface, I specialized in creating immersive websites with advanced generative AI models for language and image processing, using Flask in Python, React, Node.js, typescript, and JavaScript.

* Managed and implemented server infrastructure on Amazon Web Services and Google Cloud Platform, writing and securing REST endpoints.
* Implemented features for server security, when backend utilized tools like Firebase, to maintain its secrets and sensitive information.
* Implemented features for the Jenkins pipeline and CI/CD pipeline using GitHub and BitBucket.
* Managed Dockerization and deployment of several project’s backend.
* Worked in a SCRUM style environment using Agile methodologies, to ensure highest code quality, and smooth deployment, using tools like JIRA, ServiceNow, Notion, and Phabricator to perform code reviews.

**[**REST, C, C++, Java, GoLang, React.js, JavaScript, Typescript, Python, Flask, Node.js, SQL, MySQL, Redis, Amazon Web Services(AWS), Terraform, CloudWatch, S3, Lambda, EC2, Sentry, Firebase, Docker, Jenkins**]**

**[**[**https://www.loreal.com/en/articles/science-and-technology/beauty-genius/**](https://www.loreal.com/en/articles/science-and-technology/beauty-genius/)**]**

**[**[**https://www.lorealparisusa.com/beauty-genius-ai-beauty-virtual-assistant**](https://www.lorealparisusa.com/beauty-genius-ai-beauty-virtual-assistant)**]**

**Sri Aurobindo Society (2018 - 2021)**

**Full Stack Software Engineer**

As a full-stack developer, I worked on implementing cloud infrastructure using Firebase as a BaaS (Backend as a Service) and migrated the infrastructure from Firebase to AWS, and Node.js.

* Built a Native Android application, a Native ios application, using Firebase cloud as a backend.
* Migrated the application to the cross platform framework, React Native and implemented a custom backend using Node.js and MySQL.
* Performed all devops tasks for this project from implementing CI/CD, solving infrastructure problems, ensuring scalability, and smooth deployment.
* Migrated the database and backend from Firebase Cloud Functions to Node.js on Amazon Web Services EC2.
* The project started in a SCRUM style environment, implementing Agile methodologies, but was later moved to a waterfall model as client requirements changed.

**[**React Native, Node.js, SQL, noSQL, MySQL, MongoDB, Firebase, Amazon Web Services(AWS), Jenkins**]**

**Tata Consultancy Services (2019)**

**Intern**

I lead projects and my team in developing Indoor Navigation, Autorepair, and other AR products as part of the CBOT laboratory team, using Unity, Vuforia, and Placenote. I also developed the AR pipeline to store location data efficiently in the cloud. Indoor Navigation was my idea that was absorbed into the company after I participated in Inframind 2019, and placed in the top 5.

**[**[**https://smvec.ac.in/tcs-inframind-2019/**](https://smvec.ac.in/tcs-inframind-2019/)**]**

**EDUCATION**

**Georgian College** — Diploma, Mobile Application Development, 2022

**Sri Manakula Vinayagar Engineering College** — Bachelor of Technology,

Computer Science and Engineering, 2021