Daryl Valairan Ramesh

Software Developer

DETAILS

darylvalairan@outlook.com

+1 (437) 972-2499

https://valairan.tech

https://github.com/Valairan

PROFILE

Software Developer with an interest in web and mobile apps. Writing clean code since 2015.

EXPERIENCE

ModiFace (2022 - 2024)

Social Effects Developer, 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.
- 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.

[React.js, Javascript, Typescript, Python, Flask, Node.js, SQL, mySQL, Amazon Web Services(AWS), Firebase, Docker, Jenkins**]**

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

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

Old Wizard Studio (2018 - 2021)

Software Developer, Cross platform Developer, Game Developer

As a full-stack developer, I worked on implementing cloud infrastructure using .NET technologies and Azure and migrated the infrastructure from Azure to AWS, and Node.js.

- Built a Native Android application, a Native ios application, using Azure 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 Azure cloud to Node.js on Amazon Web Services.
- 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, Azure Cloud, 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/]

Independent Ventures

BeautyShack - An app that my team and I built for a college project. Beauty Shack is a convenient mobile app connecting users with nearby beauty specialists for hair, nails, and makeup services. It offers real-time availability, distance tracking, and seamless appointment booking right from the comfort of your home. The app was built using React Native, and used Firebase for a BaaS.

[https://github.com/jasmineHere/BeautyShack]

FlatSwap - A vetted community of renters who are looking to transfer their current leases to other hand picked members of an exclusive community, as safe options for both landlords and tenants. The app was built using React Native, and used an in-house implementation using MongoDB and Node.js as a backend.

[https://github.com/Valairan/FlatSwap]

Tiramisu - A ridesharing application for use within a campus. Get your friends to give you a ride from one end to the other if you don't feel like walking.

[https://github.com/Valairan/FlatSwap]

EDUCATION

Harvard University —CS50 For Lawyers, 2024

Harvard University —Using Python for Research, 2024

Harvard University — CS50: Introduction to Artificial Intelligence with Python, 2024

Georgian College — Diploma, Mobile Application Development, 2022

Sri Manakula Vinayagar Engineering College — Bachelor of Technology, Computer Science and Engineering, 2021

SKILLS

C, C++, C#, Java, Python, Javascript, Nodejs, Golang, Rust, Kotlin, Swift, React Native, Vue, Android Studio, Xcode, Unity, Unreal, Adobe Illustrator, Adobe Photoshop, Blender, Maya

302, Elson Street, Markham, L3S 4S4