DILUM DE SILVA

Software Engineer (iOS)

A passionate and competent engineering professional driven to apply software engineering skills specialized in iOS development to the betterment of lives.

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MORE INFORMATION

LinkedIn Profile
https://www.linkedin.com/in/dilumdesilva

GitHub Profile/ Projects
https://github.com/dilumdesilva

GCE Profile
https://githubcampus.expert/dilum1995

Personal Blog
http://dilumdesilva-ltc.blogspot.com

Medium Blog Profile
https://dilumdesilva.medium.com

FAMILIAR TECHNOLOGIES

iOS Flutter Java Go Firebase
Git CI/CD Bitrise Fastlane

LANGUAGES

Sinhala- Native
English- Professional Working Proficiency

SKILLS & INTERESTS

Mobile Application Development (iOS|Flutter)

Git & GitHub with Git workflow and TBD

Event Organizing and Management

Public Speaking

Blog Writing

Table Tennis

EXPERIENCE

Industrial Employment

2021 - 2022
December   present
HECTRE GROUP NEW ZEALAND
iOS Engineer

2020 - 2021
November   November
CIRCLES.LIFE SINGAPORE
iOS Engineer ll

2020 - 2020
May   September
GOOGLE SUMMER OF CODE | SCORE LAB
Summer Intern

2019 - 2020
September   September
NATURUB EXPORTS INTERNATIONAL
iOS Engineer

2018 - 2019
July   July
ZONE24X7 (PVT) LTD
Trainee Associate Software Engineer

2017 - 2017
October   December
CAMBIO LEARNING CENTER
Student Scholar - Design Thinking Program

2017 - 2017
May   September
NATURUB EXPORTS INTERNATIONAL
Software Engineering Intern

Academic Employment

2020 - 2022
September   Present
INFORMATICS INSTITUTE OF TECHNOLOGY
Visiting Lecturer - iOS, Python, PCHE modules

ACADEMIC QUALIFICATIONS

2022 - 2022
February   Present
STAFFORDSHIRE UNIVERSIRY, UK
Master of Business Administration - Reading

2016 - 2020
September   September
UNIVERSITY OF WESTMINSTER, UK
BEng (Hons) in Software Engineering - First Class Honours

2012 - 2014
August   August
ROYAL COLLEGE, COLOMBO 07
2014 GCE Advance Level in Biology Stream

AWARDS AND RECOGNITION

2021
UNIVERSITY OF WESTMINSTER BEST ALL ROUNDER AWARD
Bacheloar of Engineering Class of 2020

2021
NBQSA 2020 BRONZE AWARD- DAUGMENTOR
Bronze Award Winner National Best Quality Software Award under Tertiary Technology Category.

Professional Organizations

• MENTOR | GOOGLE CODE-IN 2018 / 2019
JBOSS Orgnization 2018 - Present

• GITHUB CAMPUS EXPERT (GCE)
GitHub Education 2018 - Present

• COMMITTER | SCORE LAB ORGANIZATION

Local and International Representations

• COMMUNITY LEAD |
FLUTTER COLOMBO BY GOOGLE
Colombo Flutter Community and Meetup 2018

• CO-CHAIRPERSON
IEEE Sri Lanka Section SYW Congress 2019

• IEEE BRAND AMBASSADOR
IEEE Region 10 (Asia - Pacific)

• OUTREACH LEAD
IEEE Computer Society SYP Global

• CO-HOST | TECH SIDE CHAT STREAM
GitHub Stream Team

• TECH SPEAKER

World Congress 2019 - Tokyo, Japan

Flutter Meetup 2019 - Colombo, Sri Lanka

FOSSASIA Tech Summit 2019 - Singapore

Flutter Bootcamp 2019 - Vadodara, India

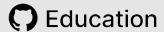Casual Friday Talk by ITRC
University of Sri Jayawardanapura

Twists N'Turns Tech Summit by ICTCS
University of Jaffna
Software Freedom Day 2020 by Mozilla, Sri Lanka

Hacktober Sunday 2020 by SLIIT FOSS Commuinity,
Sri Lanka

Community Involvements

 Education

 GDG Sri Lanka

 IEEE COMPUTER SOCIETY

 IEEE Sri Lanka Section

2020 — SILVER AWARD | CUTTING EDGE 2020
Final year research project, DAugmentor received the silver award in the best software innovation category.

2018 — RECOGNITION OF STUDENT VOLUNTEERING
Certificate of recognition for the coporate social responsibility student volunteering (2017/18) from the University of Westminster.

PUBLICATIONS

2021 — A REVIEW ON GENERATIVE ADVERSARIAL NETWORKS
IEEE I2CT 2021 - 6TH IEEE International Conference for Convergence in Technology.
https://ieeexplore.ieee.org/document/9417942

NOTABLE PROJECTS

HECTRE IOS MOBILE AND IPAD APPLICATIONS

An application that has been developed to cater features to both iPhones and iPad users in the horticulture domain. The project was designed and implemeted as per VIPER architecture with Swift. I am contributing to the project by freature grooming, developing, testing and releasing. Application offers a lot of rich features related to orchard management such as timesheets, payroll, GPS enabled features for orchards and machine learning components like fruit sizing and colour grading. Moreover, release management, facilitating SCRUM practices and client onboardings are some of my responsibilites in the current role.

Tools and Technologies - Xcode, Azure Data Studio, Postman, Swift, Firebase and GitHub actions for CI/CD

CIRCLES.LIFE IOS MOBILE APPLICATION AND QUILT GOLANG MIDDLEWARE

An application that serves the iOS user base in multiple countries. Follows the backend driven architecture and backend driven UI with an in-house golang middleware. I have designed, implemented, tested and released features for Singapore, Taiwan, Indonesia B2C markets as an iOS and Golang developer. Both Gitflow and Trunk Based Development has been used for source code management and Bitrise with Fastlane was setup to handle CI/CD pipeline. Crashes and App avilability were monitored and maintened using Firbase crashlytics and NewRelic. I have contributed as an iOS developer, Quilt (goland) Developer and the Release manager for the team.

Tools and Technologies - Swift, Go, CI/CD with Bitrise and Fastlane, Firebase crashlytics, NewRelic performance monitoring and Zendesk Chat, CleverTap, Moya, Agile etc.

IOS IMESSAGE APPLICATION DURING INTERNSHIP AT ZONE24X7

This project was developed for one of the fortune five hundred companies who's in the retail industry. This was developed to improve the customer experience of the user base by allowing them to handle all their product purchasing flows via the iMessage platform. I implemented and released this application as the team lead for the project.

Tools and Technologies - Swift, MSMessage framework for iMessage, Test Flight, Agile etc.

DAUGMENTOR FINAL YEAR RESEARCH PROJECT

DAugmentor introduces a novel deep learning-based architecture to automate generative adversarial networks modulation and tuning for data augmentation. I have architectured, designed and developed this project from scratch. DAugmentor won the bronze award at the National ICT awards 2020.

Tools and Technologies - React frontend, python models and backend with Keras and Tensorflow

PROJECT IMAGELAB DURING GOOGLE SUMMER OF CODE 2020

This project was architectured, implemented and released during my summer internship program under Google Summer of Code with the SCoRe Lab organization. ImageLab is a standalone tool that supports anyone to get started with image processing related concepts and techniques in an interactive, less logical way.

Tools and Technologies - OpenCV, Java, Java FX, Ruby, Jekyll, Apache Maven