Akila Liyanage

Associate Software Engineer

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akilaliyanage.github.io

ABOUT ME

Performance-oriented intern software engineer Aiming to use my knowledge that I have acquired from my coursework, previous work experiences as well as self-study and with my hard work to satisfy the career, current, and expected demands at your organization and also willing to learn more from this

- Full name : Meharamba Liyanage Akila Pramod Liyanage
- Date of Birth : 1999 May 11
- NIC : 991322280V

SKILLS AND PROGRAMMING LANGUAGES

- Full Stack Development with
  - JavaScript
    - NodeJs(Express)
    - ReactJs
  - Python
    - Django REST
  - Java
    - Spring-boot
    - JSP
  - PHP
    - Laravel
- Mobile App Development
  - Android
  - Flutter
- Databases
  - MySql
  - Microsoft SQL Server
  - Mongo DB
- Cloud
  - AWS (ECS,EKS,IAM,EC2,RDS,SQS,Lambda, CloudWatch,S3)
- Experience in handling DevOps tools
  - Docker
  - Kubernetes
  - Jenkins
  - Graphana/Prometheus
  - Nagios
  - Terraform

WORK HISTORY

Associate Software Engineer (RPA & ML)
Axiata Digital Labs Pvt Ltd
December 2021 to Present

Trainee Software/DevOps Engineer
CAKE Engineering Pvt Ltd
October 2020 to November2021 (1 Year 1 Month)

- *Designed, implemented, maintained, internal and external facing Cloud-based software solutions in accordance with regulatory and industry best practices*
- *Interacted with engineers and architects to support multi-site scalable and highly available solutions.*
- *Monitored system operation to detect and address current and likely problems.*
- *Established the architecture for micro-service systems, consistently satisfying requirements with high-quality engineering.*
- *Performed analysis, diagnosis, and resolution of infrastructure for issues and implementation of solutions.*
- *Worked with engineers and developers to coordinate effective design solutions for current system components.*

EDUCATIONAL BACKGROUND AND ACHIEVEMENTS

Sri Lanka Institute of Information Technology
Malabe
Bachelor of Science in Information Technology
Major in Software Engineering - Reading
2019 - 2022

- Dean's List award for best performance in year 1 semester 1
- Dean's List award for best performance in year 1 semester 2

AWS Certified Solution Architect - Associate
Reading

ESOFT Metro College
Diploma in Hardware Engineering and Network Administration
2019

ESOFT Metro College
Diploma in Software Engineering
2018

NON RELATED REFEREES

Wathsala Gunathilake
Assistant Lecturer
- Phone - +94 71 898 4773
- Email - wathsala@geo.cmb.lk
- Department of Geography, University of Colombo

Randika Munasinghe
Senior Technical Lead - Cloud Services
- Phone - +94 71 962 2740
- Email - randika.munasinghe@madmobile.com
- CAKE Technologies Pvt Ltd

PROJECTS

ICAF Conference Management Software

A containerized application using Docker, Hosted in AWS ECS service and managed by CI/CD

https://github.com/akilaliyanage/ICAF-frontend
https://github.com/akilaliyanage/ICAF-backend

Programming Languages
- *React*
- *NodeJs (Express)*

Database
- *MongoDB*

UI Frameworks
- *Material Design*
- *Ant Design*

Other Technologies
- *Docker*
- *Jenkins*
- *Jest for testing*
- *GitHub Actions*

Cloud Stack
- *AWS*
- *ECS (EC2 type)*
- *Secret Manager*
- *Lambda*
- *IAM*
- *Codepipeline*
- *Load balancing and Route53*
- *CloudFront*
- *S3*
- *CloudWatch*

AWS Cost dashboard - Internship Project
- Java
  - Spring-Boot
  - jUnit
- AWS
  - ECS/SQS/S3/SecretManager/Codepipeline/Lambda/EC2
  - AWS Java SDK
- Cloudflare

Patient Management System

Implemented as a requirement of the Object-Oriented Module at the university

https://github.com/akilaliyanage/PatientManagementSystem
- *PHP*
- *HTML5/CSS3 (Bootstrap)*

Vehicle station amd Fuel management System
https://github.com/akilaliyanage/vehicleServiceAndFuelStationManagement

- *Java (JSP/Servlets)*
- *HTML5/CSS3 (Bootstrap)*
- *JavaScript*
- *jquery*

Concepts and Architecture followed
- *OOP*
- *MVC*

Pizza Hut - Redesign
Implemented as a requirement of the User Experience Engineering Module at the university

https://github.com/akilaliyanage/UEE-Pizza-hut-SL

- *Flutter*
- *NodeJs*
- *Express*

Databases
- *MongoDB*

Concepts and Architecture followed
- *OOP*
- *MicroServices*

The HIKE (Android Application)

https://github.com/akilaliyanage/MAD-project
- *Java*
- *Kotlin*
- *Google API(s)*
- *Integrated with google maps*

Concepts and Architecture followed
- *OOP*
- *MVC*

UI Frameworks
- *Material design*

AITor - Final Year Research Project (On-going)

AI-based student performance and analytical platform to fine-tune online education