



GUGATHARSAN SIVALINGAM

SITE RELIABILITY ENGINEER | AWS SOLUTION
ARCHITECT ASSOCIATE | EX AWS COMMUNITY
BUILDER

PROFILE

A Site Reliability Engineer who is very enthusiastic on finding and learning new technologies and have some startup & corporate culture experiences. I am always filled with positive energy to try out different challenges and would never back down from taking in new tasks even if I have no prior experience with it. In previous role, worked on different major projects and gained good experience and reputation among co-workers, clients and other stakeholders. My future aspiration is to become a good cloud solution architect. Currently, I'm working towards to become a good T-Shape engineer.

CONTACT



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WORK EXPERIENCE

- **Site Reliability Engineer at Pearson** [June 2022 - Current]
 - Working on the multiple application migrations [CDKTF, Pearson-owned framework (PDP), Lift and Shift]
 - Owning the full planning & responsibilities for the application & data migrations for multiple products.
 - Integration of DevSecOps tools with the applications.
- **Associate Site Reliability Engineer at Pearson** [April 2021 - June 2022]
 - Designed & Developed AMI Dashboard application with fellow team members to display AMI details team-wise, application-wise and also added additional views for vulnerabilities. This application was shared with all the SRE teams under Pearson to make their work easier (presented this at the Enterprise Operations Demo).
 - Maintained best Agile & coding practices.
 - Worked on the different technologies & tools such as GitLab, Bitbucket, Jenkins, Docker, Kubernetes, Terraform, AWS (most of the infra related work carried out using AWS services), Linux, Shell Scripting, 3rd party integrations (gitleak, Jacoco, NewRelic etc), MongoDB, Cassandra, RDS, Keyspace, PagerDuty.
 - Developed quick troubleshooting skills.
 - Handled P1, P2, P3 incidents and managed stakeholders with minimal support from seniors.
 - Worked on the Cassandra to Keyspace data migration and was able to do the POC successfully for the dev team.
 - Worked on the application migration projects to the newly developed framework.
 - Demo newly introduce services to the team and get their opinion to apply them to the current workflow to make the work easier.
 - Worked on the stories related to cost optimization, tag compliance to reduce operational costs & maintain the standard.
 - Wrote synthetic scripts for different dev teams and onboard them.
 - Worked on Ubuntu20 upgrades and GitLab migration-related works.
 - Reviewed & updated the documents which belong to our team.
 - Helped the team during critical periods such as Log4J, AWS outage incidents.
 - Able to handle the incidents without escalations (PagerDuty on-call shifts).
 - Maintained a good relationship with the dev team.
- **Freelancing** [Jan 2021 - Current]
 - Developed automation to deploy static websites in CloudFront using the terraform for a company in Sri Lanka called Revocare Solutions.
 - Build pipelines & helped deployment for the startup companies.
 - Worked on the data migration related tasks.
 - Designed & Developed an application called Qicteam which is available in playstore. [Handled backend & Cloud deployments]
- **Full Stack Developer Intern at Prodigy Interactive** [June 2020 - Jan 2021]
 - Built modern web applications with React, Angular, Node.js, and NoSQL.
 - Exposure to microservices and developed web services including REST.
 - Deployed Backend applications using CI/CD pipeline with the help of Bitbucket, CodePipeline and EBS.
 - Created WHM and Cpanel in the AWS instance.
 - Integration of Secured endpoints to our platform.
 - Followed best version control practices using Bitbucket while working as a team.

REFEREES

BUDDHIMA UDUGAMASOORIYA

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ARAVINDA SIRIWARDANA

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EDUCATION

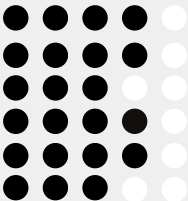
- **Informatics Institute of Technology (IIT) [Sep 2022 - Reading]**
 - Major - **M.Sc Big Data Analytics**
- **Sri Lanka Institute of Information Technology (SLIIT) [2018 - 2020]**
 - Major - **B.Sc. (Hons) Computer Science and Software Engineering**
 - Award - **Upper Second-Class Honours**
- **Jaffna Hindu College [2007-2017]**
 - G.C.E(A/L) Examination 2017 (Did Mathematics)
 - G.C.E(O/L) Examination 2013

PROJECTS

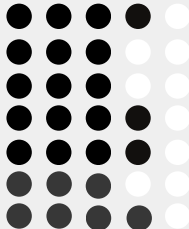
- **TeamUp [February 2020 – February 2020]**
This is similar to Meetup application which will very helpful to create and manage events.
The tools & technology planning to use are **Flutter, NodeJS, Express, AWS**
- **CKDA: Chronic Kidney Disease Analyzer [July 2020 - October 2020]**
This project is mainly focused on the prediction of chronic kidney disease in the earlier stage with the help of machine learning.
The tools & technology planning to use are **Flutter, Flask, Machine Learning, Python, scikit learn**
- **Student Management System [July 2020 – August 2020]**
This project is mainly focused on managing the students for a school.
The tools that were used **ReactJS, Spring Boot, AWS, Jira, Git**

TECHNICAL SKILLS

- Linux
- Python
- MS SQL
- NodeJS
- AWS
- NewRelic



- JavaScript
- Docker
- Shell Script
- Jenkins/GitLab
- MongoDB
- Kubernetes
- Terraform



PROFESSIONAL QUALIFICATIONS

- AWS Certified Solution Architect Associate
- MTA: Cloud Fundamentals - Certified 2017
- MTA: Security Fundamentals - Certified 2017
- MTA: Networking Fundamentals - Certified 2017
- MTA: Database Fundamentals - Certified 2017

OTHER ACTIVITIES

- Blogger (Medium).
- Open Source Contributor.