Jonathan Rajaratnam

Hardworking student equipped with full-time work experience and extensive core subject matter knowledge. Meticulous and detail-oriented with excellent observational, organizational, and communication skills. Loves to stay updated in the latest technological interests. I have the passion to come up with innovative and efficient solutions. Well-versed and proficient in multiple programming languages and frameworks such as Python, Java and Node.js.

Contact

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Technical Skills

- Java
- Python
- Node.js
- Javascript
- Postman
- Flutter
- Docker
- Kubernetes
- Shell Script
- Web Design
- React
- MongoDB

Soft Skills

- Attention to Detail
- Team Player
- Exceptional Communication Skills
- Professional Fluency in English
- Attentive Listener

Experience

2023 June - Present

LinearSix
I am currently employed as a Trainee Software Engineer at LinearSix. I have gained experience in DevOps and Full Stack Engineering. My learning experiences include Node.js, Typescript, MongoDB, Express and maintaining Docker and Kubernetes environments.

Education

2022 - Present
BEng. (Hons) Software Engineering (Reading) - University Of Westminster (IIT)

2021 - 2022
Foundation in IT - IIT
Completed my Foundation in IT and passed with Distinction

2023
GCE Advanced Level Mathematics Stream - St. Peter's College
Successfully Completed the G.C.E A/L Examinations in January 2023.

Academic Projects

- **FoodLens - (2023 - 2024)**
  A Mobile App built using Flutter that analyses a food barcode or ingredients and suggests an alternative food item without the allergens
  Technologies:
  Flutter, Dart, Node.js, Express, Python, Flask, MongoDB,

- **CornerKick Sports Website - 2023**
  A website that was built using **HTML**, **CSS** and **Javascript**. This was based on a football themed sports shop.

- **Westminster Shopping Manager - 2024**
  An app that was built using Java for the CLI and Swing for the GUI. It could let users to add and remove products from a cart and then purchase them too.

References

Ishan Wijetunga
EVP | LinearSix
Phone: +94777660930
Email : ishan@linearsix.com

Suresh Michael Peris
Co-founder of Inforwaves software Company & Visiting lecturer at IIT
Phone: +94 772540020
Email : suresh.p@iit.ac.lk

- **University Credits Grading System - 2023**
  A CLI grading system that was built using Python that facilitates lecturers to check the progression of a student.

- **Theatre Booking System - 2023**
  A Java application that allowed the user to book/cancel Theatre Tickets and manage bookings.

- **Library Management System - 2022**
  A CLI library management system that was built using Python and integrated to a SQL Database.

Work Projects

- **Development**

  Development of APIs
  Worked in the integration layer of the in-house built system called Lime that runs in a microservices architecture.
  Mainly creating the APIs in the integration layer and maintaining the API documentation with Swagger.

  Developed an App to Generate API Mappings
  Created an app using React.js and Node.js which would allow users to upload a Postman Collection of the client's API specs and create the relevant API Mapping on the Integration Layer called Citric.

  Developed an App to Serve Client APKs
  Created an app using React.js and Node.js which allows users to serve the compiled mobile apk for clients to download using secure security measures.

- **DevOps**

  Handling the CI/CD Pipelines
  Developed a new advanced shell script by combining the existing release scripts and more efficient/robust shell script to automate the releases based on specific scenarios. This reduced the average release time from 20 - 25 mins down to less than5 mins
  Handling the Periodic releases in the UAT stage Environments.
  Managing and Maintenance of K8 and Docker environments

  R&D on Migrating Cronjobs to K8 Cronjobs
  Performed a Detailed R&D on migrating on-prem cronjobs to a kuberntes based environment. This was part of a solution to migrate on-prem services to Tanzu Cloud.

  R&D on Using Helm Charts
  Performed a Detailed R&D and PoC on the uses of Helm and a Technical feasibility study on using Helm Charts for deployment of Applications when migrating from kubernetes and dockerized microservices.