

EMPLOYMENT

Software Engineer	London Stock Exchange Group	Oct 2021 - Present
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- Part of Market Services, implemented features related to stock trading based on client requirements using C++. Wrote unit tests, end-to-end tests and did Regression testing for every new implementation. Designed and implemented an Apache Kafka library to read/write trades from/to a Kafka server as per client requirements.

Software Engineer, Intern	London Stock Exchange Group	Feb 2019 – July 2019
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- Wrote Benchmarks for container classes, using Google Benchmark tools. Removed redundant code and eliminated warnings in projects. Ran scenarios on a distributed system. Converted Oracle SQL commands to PostgreSQL for migration.

EDUCATION

Malabe, Sri Lanka	Sri Lanka Institute of Information Technology	Jan 2017 – August 2021
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- BSc (Hons) in Information Technology Specializing in Software Engineering with 2nd Class Honors Lower Division.
 - Undergraduate Coursework: Object Oriented Concepts, Software Project Management, Information Systems & Data Modelling, Database Systems, OS and System Administration, Data Structures and Algorithms, Distributed Systems, Secure Software Development, Parallel Computing.

PROJECTS

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- **Fitness App (1-year Research)** (2020-2021). Used smartwatch accelerometer readings, combined with a Deep Learning model to track a user's activities. Which would then assist the user in maintaining their health by detecting unhealthy practices. Built using Android, Django and Deep Learning. ([GitHub Repo](#))
 - **Turtlebot Maze Navigator** (2021). Was given a maze and designed an algorithm for a Turtlebot to navigate its way out. Used ROS framework in order to send commands. ([GitHub Repo](#))
 - **Fire Alarm Monitoring System** (2020). System would send out SMS and email alerts if sensors detected smoke. To ensure safety the system was built to run in multiple instances, so each service functions independently and communicates via APIs and a new instance can be started in case of a crash. Built using Java, React and Express.js. ([GitHub Repo](#))
 - **Fashion Store Web-App** (2020). Requirements were provided and we developed the system using React for the front-end along with a MongoDB database and Spring boot backend. ([GitHub Repo](#))
 - **Security System** (2019). An access control system, which uses the Apache Felix Framework. ([GitHub Repo](#))
 - **Bus Ticketing System** (2019). Developed based on a provided design document. Built using React, Spring Framework, Android and MongoDB ([GitHub Repo](#))
 - **Hotel System** (2018). Designed a Hotel system based on requirements gathered from a client. Built as a standalone Java program. ([GitHub Repo](#))

Languages and Technologies

C++, Java, Python, Spring Framework, Android Development, SQL, CUDA, OpenMP, MPI.

Other

Member of St. John Ambulance Brigade - Kandy (2009 – 2018): involves in voluntary community service.

- International Certificate in First Aid (2009)
- Certificate in Home Based Care (2010)
- Provincial four-day Camp (2016)
- Provincial three-day Camp (2010)
- First aid Services for Sri Dalada Perahara (2016, 2015, 2013 and 2011)

Cancer Walk (2011): Held by Sri Lanka Cancer Society (Kandy Branch).

Certificate in Personal and Professional Development from American College in Higher Education (2016)

Certificate in Public Speaking from American College in Higher Education (2016)