Nisal Padukka

Software Developer
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EXPERIENCE

Zebra Technologies — Colombo, Sri Lanka
Software Engineer II (Contract) — Apr. 2021 - Jan. 2022

- **Bar-code Scanner Driver**: Worked in the capacity of a back-end software engineer, implementing drivers for Zebra barcode scanners and enhancing security features of the Windows SDK.
    - Designed & Developed business requirements in Windows scanner driver
    - Implemented the IP communication library for Zebra IP devices
    - Implemented Security enhancements for portable devices
    - Test Automation

  Technologies: C, C++, C#, GTest, MSTest, WIN32 Cryptography API, git, GuardIT, SonarQube

LSEG Technology, London Stock Exchange Group — Colombo, Sri Lanka
Senior Software Engineer — Apr. 2020 - Nov. 2020
Software Engineer — Feb. 2018 - Mar. 2020

- **Risk System**: Worked in the capacity of a backend Software Engineer for capital market risk project over a period of almost three years, designing and developing high-throughput, low-latency, fault-tolerant, distributed software systems
    - Designed & Developed business requirements in Market Data Gateway, Pricing Engine, Risk Engine
    - Implemented Risk Calculations for derivative instruments
    - Implemented Real-time collateral management system
    - Designed & Implemented disaster recovery capabilities for feature additions
    - Test Automation

  Technologies: C++, STL, Java, Linux, GDB, GTest, git, Python, Oracle

Zone24x7 Inc. — Colombo, Sri Lanka
Trainee Associate Software Engineer — Sep. 2016 - Feb. 2017

- **Interactive Cloth Hanger**: Implemented an interactive cloth hanger which triggers a product marketing video on a digital screen when a customer picks an item
  Technologies: NodeJS, MongoDB, MQTT, CC2650 TI Sensor Tag, Intel Edison

- **Eye-gaze Data Analyzer**: Implemented an application to track eye-gaze data of users who are looking at a large digital screen and generate heat-maps based on the captured data.
  Technologies: C#, NodeJS, AngularJS, MongoDB, HeatMapJS

TECHNOLOGY STACK

Areas Of Expertise : C/C++, STL, C#, JAVA, Python, Android, Nodejs, Oracle, MySQL, MongoDB, Linux, Windows, Scrum, Agile, Data Structures & Algorithms, Unit-Testing - *GTest, MSTest*, End-to-end Testing - *Jbehave, Sellenium*, Test-Driven Development, Software Analysis Tools - *Valgrind, SonarQube*, git, Jira, Docker, Kafka

EDUCATION

Graduate Certificate in Mobile Application Development — Jan. 2022 - Aug. 2022
Georgian College — *Ontario, Canada*

Bachelor of Engineering (Honours) Computer Systems Engineering — Mar. 2015 - Nov. 2018
Curtin University — *Perth, Australia*
Second Class Honours Upper Division

Bachelor of Science (Honours) Computer Science — Jan. 2014 - Jan. 2018
University of Colombo — *Colombo, Sri Lanka*
Second Class Honours Lower Division