

# PHILIP NIRON NITHIANANDAN

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Visa : Student Visa (25h/week). Available Full-time from 30th March, 2026

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## PROFILE

Software engineer currently pursuing a Master of Software Engineering, with a strong experience in Java-based full-stack application development. Seeking a **Software Engineer** role and open to learning new technology stacks to support team and project requirements

## SKILLS

**Programming:** Java, Python, JavaScript

**Backend:** Spring Boot, Java EE, Flask

**Database:** PL/SQL, MySQL

**Cloud & DevOps:** AWS, GCP, Docker, Git, CI/CD

**Test Automation:** Selenium, Cucumber, Mockito, REST Assured, JUnit

**Frontend:** React, JavaScript, HTML5/CSS3, JSP

**Data Analytics:** Power BI, Python

## WORK EXPERIENCE

### SOFTWARE ENGINEER - R&D - AEROSPACE & DEFENCE

#### IFS R&D International (pvt) Ltd

*Colombo, Sri Lanka*

*October, 2023 - July, 2025*

- Notably, throughout the tenure, no functional bugs were found from the assigned JIRA tickets.
- Utilized a diverse range of technologies, including Java EE, PL SQL, Docker, Angular JS, JSP, Google Guice, Gradle, and JMS Queue to build and support robust software solutions.
- Played a responsible role in end-to-end feature development.
- Actively participated in all phases of the software development lifecycle.
- Used Selenium, Cucumber, JUnit, Mockito, and Rest Assured for test automation.
- Collaborated seamlessly with an international team across various time zones.

### ASSOCIATE ENGINEER - TECHNOLOGY (JAVA)

#### Virtusa (pvt) Ltd

*Colombo, Sri Lanka*

*October, 2021 - September, 2023*

- Analysed software designs and requirements and developed features in the application.
- Utilized a diverse range of technologies such as Spring Boot, GraphQL, and MySQL.
- Performed defect analysis and implemented effective solutions.
- Interacted directly with the offshore client for requirement clarifications.

## **EDUCATION**

### **Master of Software Engineering**

- Yoobee College of Creative Innovation, New Zealand
- July 2025 - Graduating in July, 2026
- Trimester 1 (Completed) : Professional Software Engineering (MSE800), Research Method (MSE801), Quantum Computing (MSE802)
- Trimester 2 (Following) : Data Analytics (MSE803), Blockchain and decentralised digital identity (MSE804), Cloud Security (MSE805), Intelligent Transportation Systems (MSE806)

### **BSc (Hons) Computer Science and Software Engineering**

- Grade - First class honours
- University of Bedfordshire, United Kingdom
- January, 2021 - October, 2021
- Research Area & Undergraduate Project: Android Application to detect Fall Army worm attack in Corn leaves using Convolutional neural network (CNN).

### **Higher Diploma in Information Technology**

- SLIIT Academy, Sri Lanka
- January, 2018 - December, 2020

## **POSTGRADUATE ACADEMIC PROJECTS**

### **Care N Cure: AI-Powered Medical Analysis**

- Built an AI-based triage and patient management web app for hospitals.
- Used a RAG model + medical knowledge base to analyse symptoms and vital signs.
- Generated severity levels and suggested the right doctor specialty.
- Developed with Flask (backend), React (frontend), and MySQL on Google Cloud (GCP).
- Created role-based dashboards for receptionists and doctors with real-time updates.

## **CERTIFICATIONS & ONLINE LEARNING**

- Google Data Analytics, **Google**
- AWS Academy Cloud Foundations [148179], **AWS Academy**
- AWS Academy Cloud Security Foundations [148180], **AWS Academy**
- Mathematical Foundations and Quantum Mechanics Essentials, **Packt**
- Fundamentals of DevOps, **KodeKloud**
- Postman API Fundamentals Student Expert, **Postman**

## **REFERENCES AVAILABLE UPON REQUEST**