

Juanito Aldebaran Siahaan

☎ +44 7377 548 318 | ✉ juanitosiahaan1711@gmail.com | 🔗 linkedin.com/in/juanitosiahaan | 🐙 github.com/juanitoaldebaran | 🌐 Website

Education

Queen's University Belfast

BSc Computer Science with Professional Experience

Expected Graduation May 2026

GPA: 2:1 Upper Division

INTO Queen's University Belfast

International Year One in Engineering – Computer Science

September 2022 – May 2023

GPA: 78% (First Class)

Work Experience

Verint Systems Inc.

Software Engineer Intern

July 2024 – August 2025

Belfast, United Kingdom

- Automated critical backend endpoint deployment to Gravitee.io in a Dockerized environment with Go-Gin framework, leveraging Cobra CLI, enhancing deployment efficiency by 85% and significantly reduced manual configuration time
 - Accelerated deployment velocity for Verint's Cloud Platform by developing a robust CI/CD pipeline using Harness, GitHub Actions, and Terraform (IaC), enabling continuous monitoring metrics performance via Datadog
 - Implemented BDD testing with Ginkgo for Kafka-InfluxDB workflows, improving code coverage from 55% to 87%.
- Tech Stack:** Go (Gin, CobraCLI, Ginkgo), Docker, Podman, GitHub Actions, Harness, Kafka, InfluxDB, Datadog, Terraform

Mitratesch Indonesia

Software Engineer Intern

July 2023 – September 2023

Jakarta, Indonesia

- Designed web applications for Jakarta Public and Government Service using ReactJS with integrated WhatsApp AI chatbot
- Built geospatial visualization using ArcGIS data in Figma 3D, enhancing project efficiency by 75%
- Executed Software Development Work Lifecycle workflow from designing applications to deployment for 10+ feature implementations

Tech Stack: ReactJS, ArcGIS, Figma

Bright Network

Technology Summer Intern

June 2023 – July 2023

Belfast, United Kingdom

- Developed full-stack site showcasing SME technology innovation toward Net Zero Carbon Emission for Lloyds Banking Group
- Utilized Docker to streamline deployment, improving end-to-end system reliability and code testing for websites

Tech Stack: ReactJS, Spring Boot, PostgreSQL, Docker

Projects

Final Year Project Dissertation – Credit Card Fraud Detection

ReactJS, FastAPI, Docker, Scikit-Learn

- Built a microservices full-stack ML-powered system for fraud detection using FastAPI and ReactJS dashboard
- Enabled real-time transaction monitoring and visualization in a Dockerized environment

AldebaranHealth — Source Code — Live Website

ReactJS, Flask, Spring Boot, Scikit-Learn

- Created AI-powered healthcare assistant with PSS-10 psychological distress questionnaire
- Integrated OpenStreetMap API to locate 10+ healthcare services for user assistance

eStockPal — Source Code — Live Website

NextJS, Flask, Scikit-Learn

- Built full-stack stock prediction platform using ML models for real-time market insights

AldebaranTutor — Source Code — Live Website

ReactJS, Flask, Spring Boot, Scikit-Learn

- Developed an interactive e-learning platform with AI quizzes across Tech, Finance, and Engineering

Leadership Experience

Belfast Indonesian Student Society

Head of Sport Event

September 2022 – September 2023

Belfast, United Kingdom

- Led event team to manage 300+ Indonesian students to organize sport events, boosting annual participation

Technical Skills

Languages: Java, Go, Python, JavaScript, TypeScript, SQL, HTML5, CSS, C, C++

DevOps & CI/CD: Docker, Podman, Harness, AWS, GitHub Actions, WSL, Linux, Datadog, Terraform, Kubernetes

Libraries/Frameworks: Spring Boot, Gin, Ginkgo, CobraCLI, ReactJS, NextJS, FastAPI, Flask, PostgreSQL, NoSQL, InfluxDB, Apache Kafka