

Pasan Samarakkody

Cloud Architect (Azure/AWS) — MSc Eng (Brussels) — MIET (UK) — AMIE (SL)

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PROFILE

Solution-oriented cloud engineering professional with over 4 years of hands-on experience in building and scaling tech infrastructure. Currently focused on designing, deploying and managing Azure cloud resources for cloud-native applications at IFS, a global leader in ERP software. Recently earned a Master's in Applied CS from VU Brussels, building on a BSc. Eng. Honours from University of Ruhuna. Proven track record as a licensed engineer and academic researcher, supported by multiple certifications, internships, and technical projects.

I specialize in leveraging networks and cloud solutions for creating automated smart systems. Skilled in Azure/AWS, VMware and network optimization, I ensure a focus on scalable and reliable deployments.

WORK EXPERIENCE

Cloud Architect Associate / Cloud Network Engineer July 2024 - Present
IFS R&D International (Global ERP Software Provider) Colombo, Sri Lanka

- Designing, implementing and managing Azure Cloud infrastructure to support IFS Cloud related applications and services for large enterprise clients in Europe, Americas and Asia Pacific regions.
- Supported 300+ customer/internal cloud escalations, authored 12 tech articles and facilitated 8 training sessions.

Cloud Engineer - Private Cloud Nov 2023 - Jul 2024
SLT-Mobitel (National Telecom Provider) Colombo, Sri Lanka

- Directed the deployment, configuration and management of Azure private cloud and VMware virtualization platforms catering to 100+ enterprise clientele, ensuring data center efficiency, availability and reliability.
- Coordinated internal Cloud Security initiatives and VMware VM migration projects with Cloud & Data Center team (16 engineers & technical officers).

Network Researcher Sep 2022 - Aug 2023
Vrije Universiteit Brussel Brussels, Belgium

- Designed multi-radio capable sensor networks with short range IoT radio and LoRa connectivity, developing open-source software solutions in Linux with C and Python.

Fiber Network and Automation Engineer Mar 2020 - Aug 2021
Dialog Axiata (Cellular Network Provider) Colombo, Sri Lanka

- Coordinated the development of 500+ network sites nation-wide in the Dialog Fiber Network.
- Optimized and automated Fiber Implementation team workflow (18 employees & contractors) via Jira software.

EDUCATION

Vrije Universiteit Brussel Brussels, Belgium
Master in Applied Sciences and Engineering: Applied Computer Science 2021 - 2023

- GPA: **78%** (Magna Cum Laude)
- Majored in Smart Cities Technology: Cloud Computing, Advanced IT Networks, Management of Sensor Networks, Techniques of AI, Navigation and Intelligent Vehicles

University of Ruhuna Galle, Sri Lanka
Bachelor of the Science of Engineering Honours: Electrical and Information Engineering 2016 - 2020

- GPA : **3.68/4.00 (2nd Class Honours Upper Division)**
- Majored in Telecommunication: Digital Communication, Telecom Networks, Machine Learning, Optical Fiber Communication, Design of Data Networks

PROFESSIONAL SKILLS

Cloud & Network: Azure & AWS solutions, Google Cloud, TCP/IP stack, Virtualization, Fiber networks

Tech Tools: Git, Linux, Docker & Kubernetes, Terraform, VMware vSphere/NSX, Wireshark, VS Code, Microsoft 365

Coding & Database : Python, C, Java, PowerShell & Bash scripting, SQL & NoSQL databases

Soft Skills: Mentoring, Presentation & Oration, Technical Writing, Interdisciplinary collaboration

PROJECTS

- Creating a highly available Serverless Web Application with AWS** | *API Gateway, AWS Lambda* 2024
- Built and deployed a RESTful web service for users to request rides through AWS serverless offerings including Amazon Amplify, Lambda, Cognito and the NoSQL database DynamoDB.
- Design of a Multi-Modal system for the Internet of Things** | *Python, C, Contiki-NG, LoRa* 2022 - 2023
- Designed, developed and tested a multi-modal communication system for the IoT that maximized communication range, switching reliability and increased packet delivery by 20%.
- Stock Market Price Prediction with Deep Learning** | *Python, pandas, machine learning, neural nets* 2022
- Built a Python application to predict stock market prices utilizing a 22-year dataset, feed-forward neural net, RNN and long short-term memory (LSTM) network.
- Enhancing Widespread Accessibility of Low-Power IoT Devices with Drones** 2020 - 2021
- Aimed to advance use of low-power IoT in areas with no Internet coverage, conducted in collaboration with CWC - University of Oulu, Finland. Implemented with BLE, Python, Raspberry Pi, Firebase and TI CC2650.

LEADERSHIP ROLES AND HONOURS

- Lead Implementer of ISO/IEC 27001 Information Security Standard at SLT-Mobitel Cloud 2024
- IT Coordinator for IAESTE Brussels committee at VUB 2022/23
- Full scholarship recipient for International Masters at VUB Belgium 2021/23
- Project lead for optimization of Fiber Implementation processes at Dialog Axiata 2021/22
- English instructor for multiple summer camps in Belgium and Thailand 2022
- Vice President of AIESEC in University of Ruhuna 2018/19

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

Microsoft Certified: Azure Architect Expert (AZ-305)	Microsoft 2025
Microsoft Certified: Azure Network Engineer Associate (AZ-700)	Microsoft 2025
Kubernetes and Cloud Native Associate (KCNA)	Linux Foundation 2025
Microsoft Certified: Azure Administrator Associate (AZ-104)	Microsoft 2024
AWS Certified: Solutions Architect Associate (AWS-SAA)	Amazon Web Services 2023

REFEREES

Eng. Koshala Chandralal

AMIESL, B.Sc.Eng. (Moratuwa)

- General Manager - Technology Delivery, Dialog Axiata PLC (Colombo)
- Reachable at koshala.chandralal@dialog.lk, +94 0777332132

Eng. Eranda Jayathunga

AMIESL, M.Eng. (AIT Thailand), B.Sc.Eng. (Peradeniya)

- Senior Lecturer, University of Ruhuna — Researcher, University College Dublin
- Reachable at eranda@eie.ruh.ac.lk, +353 0830301554

DECLARATION

I truly and sincerely state that all the above information furnished by me is true and correct to the best of my knowledge.

Pasan Samarakkody
M.Sc. Eng. (Brussels)
Azure/AWS Certified