





Niroshan Ranapathi

Senior Software - Cloud specialist

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Experience

Magic Inc, United States

Independent Consultant (AI Agent)

 <https://getmagic.com>

May 2025 - Present

Singapore (Remote)

- Driving the development of AI-enabled agentic tools and advanced chat applications, focusing on seamless user experiences powered by LLMs.
- Implementing Retrieval-Augmented Generation (RAG) and integrating state-of-the-art Large Language Models to enhance contextual relevance and response quality.

Temus Pte Ltd

Lead Software Engineer - AI/ Cloud

Sep 2022 - May 2025

Singapore

- Led the **development and architecture of high-performing, secure, and cost-efficient applications** for the **Singapore Building Construction Authority** (CorenetX, Project Portal).
- Designed and architected **government applications** on **GCC+, GCC, HCC, MCC, AWS, and Azure**, ensuring compliance with **Singapore government standards and regulations**.

NCS PTE Lte

Senior Application Consultant

2021 Feb - 2022 Sep

Singapore

- Building a highly available application for the Singapore defense ministry (OneNs, SmartICT)
- Built and developed applications on **Singapore Military Cloud (MCC) / AWS**, utilizing **EC2, EventBridge, Kafka, API Gateway, CodePipeline, CodeBuild, Lambda, and CloudWatch**.
- Ensured government-compliant security by conducting **Vulnerability Assessment & Penetration Testing (VAPT), Static & Dynamic Code Scans**.

Secure 3DP Pte Ltd

Lead Software Developer

July 2020 – Feb 2021

Singapore

- Led the **core development team**, driving new feature development for an existing **multi-tenant web application**.
- Designed and implemented **CI/CD pipelines for a Blockchain application**, ensuring seamless deployment and integration.

Gumi Asia Inc

Software Developer

Oct 2019 - July 2020

Singapore

- Developed and optimized **CI/CD pipelines, microservice APIs (REST/GraphQL)**, and deployment automation for mobile games, ensuring seamless releases and enhanced system reliability across global markets.
- Led performance tuning and dynamic testing infrastructure (Linux/OSX), integrated analytics via Google Ads, Appsflyer, and Facebook APIs, and optimized delivery using **AWS CloudFront, Redis, and CDNs** for regional performance (e.g., South Korea, China).

Sysco Labs PVT Ltd

Senior Software Engineer

Oct 2019 – Oct 2017

Sri Lanka

- Led architecture design and **AWS cloud strategy** as a Software and Solutions Architect, including the development of the SCRM Sysco Cloud Resource Management Portal to optimize cloud spend and track multi-team resources.
- Guided migration and onboarding through AWS Landing Zone, implementing scalable infrastructure, automation tools, and cost optimization using **AWS Tag Manager, Cost Explorer, SDKs, and ParkMyCloud**.

Summary

Energetic Lead engineer with close to 9 years of professional experience in designing and developing enterprise cloud platforms, microservices, and UI components. An enthusiastic individual who is not technologically locked-in with a proven history of working in agile teams on fast-paced projects. Always enjoy exploring novel technologies and adapting them to solve problems.

Skills

Programming Languages
Python, JavaScript, TypeScript, Java

Cloud Technologies
AWS (EC2, ECS, BedRock, Lambda, Farget, SNS, SES, ECS, GCP (BigQuery, VM) Goverment Cloud (GCC, HCC, MCC and GCC Plus)

DevOps
Terraform, Shiphat, Gitlab CICD, Github Action, AzureDevops, Ansible, Chef, DockerHub, Bash, Linux, Windows, Splunk, Kibana, Elastic Search, Logstash

Databases
NOSQL - MongoDB, and DynamoDB SQL - MySQL , PostgreSQL ORM – TypeOrm, Mongoose

AI Technologies
LLM, OpenAI, llama 3, claude 3, ML Algorithms, Generative AI, RAG, PyTorch

Front End
React, Redux, NextJs, TailwindCss

Backend
FastAPI, Nestjs, Serverless, Firebase

Education

University of Moratuwa, Sri Lanka

Computer Science & Engineering

Mar 2013 – Dec 2017

BSc in Engineering

University of Wolverhampton

Business Administration

Mar 2020 – Mar 2022

Master of Business Administration

Certifications

Azure Certified AI Engineer

Oct 2023

Certified Scaled Agile Scrum Master

Mar 2023

AWS Solution Architect (Associate)

March 2023