PROFESSIONAL SUMMARY

AWS Certified Solutions Architect – Associate and Application Development graduate in a Nedbank cloud learnership. Built AWS serverless and full-stack applications using Python, C#, ASP.NET Core, React and SQL. Interested in junior software development and cloud engineering roles.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (SAA-C03)
Issued Nov 2026 | Valid until Nov 2029
Verify credential on Credly

SKILLS

Backend:
C#, Python, ASP.NET Core MVC, REST APIs

Frontend:
JavaScript, Razor (CSHTML), AJAX, React, Vite

Database:
SQL Server, Entity Framework Core, LINQ, PostgreSQL, SQLite, DynamoDB

Cloud:
AWS, Azure (App Service, Azure SQL Database, Cognitive Search)

Concepts:
OOP, Authentication & RBAC, System Design, Database Design, Testing

CONTACT

- Email: Sandeep.Hari19@gmail.com
- LinkedIn: sandeep-harii
- Portfolio website
- GitHub: SandeepHarii
- 081 341 3986

EDUCATION

IIE Varsity College

- Bachelor of Computer and Information Sciences (Application Development) - 2025; graduated May 2026
- Higher Certificate in Mobile Application and Web Development - 2022

Sandeep Hari

AWS CERTIFIED SOLUTIONS ARCHITECT – ASSOCIATE
CLOUD & SOFTWARE DEVELOPMENT

PROFESSIONAL EXPERIENCE

Nedbank | Cloud Learnership (BankSETA)

July 2026 – Present

- Developing practical skills in AWS cloud architecture, application development, security and operational monitoring.
- Applying cloud concepts through hands-on training and an individual end-to-end cloud capstone project.

PROJECT EXPERIENCE

FinTrust | Transaction Insights & Risk Monitoring System

Individual cloud capstone | October 2026

- Built an AWS serverless transaction monitoring system independently in four weeks; placed 2nd (90/100) in the capstone presentation.
- Developed Python Lambda functions for CSV validation, quarantine, ingestion, risk scoring, alerts, queries and reporting.
- Orchestrated asynchronous processing with S3, SQS FIFO, a dead-letter queue and Step Functions.
- Used RDS PostgreSQL for valid transactions and DynamoDB for risk events and upload tracking.
- Implemented high-amount, high-velocity and cross-border risk rules; delivered REST APIs and a React/Vite dashboard.
- Added SES notifications, EventBridge reporting, CloudWatch monitoring and X-Ray tracing.
- Applied IAM, VPC endpoints, encryption and SSM; built GitHub Actions CI and 490 passing validator unit tests.

TECHNICAL SKILLS (CONTINUED)

AWS – Compute & Integration:
Lambda, API Gateway, SQS FIFO, Step Functions, EventBridge, SES

AWS – Storage & Databases:
S3, RDS PostgreSQL, DynamoDB

AWS – Security & Networking:
IAM, VPC endpoints, Systems Manager (SSM), encryption

AWS – Monitoring & Delivery:
CloudWatch, X-Ray, CloudFront

DevOps & Testing:
Git, GitHub, GitHub Actions, unit testing, integration and end-to-end testing

Sandeep Hari

AWS CERTIFIED SOLUTIONS ARCHITECT – ASSOCIATE | CLOUD & SOFTWARE DEVELOPMENT

PROJECT EXPERIENCE (CONTINUED)

Full-Stack Application Development (Academic Projects)

2022 – 2025

- Built full-stack web applications using ASP.NET Core MVC with authentication, role-based access control, and workflow automation.
- Designed and managed relational databases using SQL Server and Entity Framework Core with optimized LINQ queries.
- Developed RESTful APIs and responsive front-end interfaces using Razor (CSHTML), JavaScript, and AJAX.
- Deployed applications to Microsoft Azure (App Service, Azure SQL Database, Cognitive Search).
- Applied unit testing, validation, and structured error handling to ensure reliable application behaviour.

Contract Monthly Claim System (CMCS)

- Built a multi-stage approval system to automate contractor claim processing.
- Implemented role-based access for Lecturer, Coordinator, Manager, and HR.
- Developed workflow automation and reporting features for claim tracking.
- Tech: ASP.NET Core MVC, C#, Entity Framework Core, SQL Server

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KhumaloCraft E-Commerce Platform

- Developed and deployed an e-commerce platform with product, order, and admin functionality.
- Integrated Azure services for scalable cloud deployment and search capabilities.
- Designed database schema supporting users, products, and transactions.
- Tech: ASP.NET Core, Azure, SQL Database, Cognitive Search

Agri Energy Connect

- Built a platform connecting farmers with sustainable energy providers.
- Implemented authentication and role-based access using ASP.NET Identity.
- Developed dynamic UI features using JavaScript and AJAX for improved user interaction.
- Tech: ASP.NET Core MVC, C#, Entity Framework Core, SQLite