

Yohan Perera

Solution Architect

Allion Technologies Sri Lanka

16 Year of Experience

Detail Reading

<https://www.linkedin.com/in/kdyohan/>

Skills

Geminate:

AI based dev team management, VS-2022, C#.Net, Async REST API, API Security, Azure ML Services, MySQL DB, Entity Framework 8, .Net 8, Visual Studio code, Azure, DevOps CI/CD, bitbucket, JIRA, SOLID Principle, Clean code strategy, Python (3.11), Microsoft Graph API integration.

Emotionise:

AI based dev team management, VS-2019, C#.Net, Async REST API, API Security, Azure ML Services, MySQL DB, Entity Framework 6, .Net 6, Visual Studio code, React-Native, Redux, TypeScript, CSS, Azure, DevOps CI/CD, bitbucket, JIRA, SOLID Principle, Clean code strategy, Circuit Breaker Pattern. Python (3.9) based AI model deployments.

HCSL:

Team management(technical), VS-2019, C#.Net, REST API, API Security, .Net 6, Async REST API, MySQL DB, and Entity Framework 6. Visual Studio code, React-Native, Redux, TypeScript, CSS, Azure, DevOps CI/CD, bitbucket, JIRA, SOLID Principle, Clean code strategy, CQRS using MediatR Pattern.

Design Patterns & Principles

SOLID, KISS, Clean Code Strategy

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Summary

A seasoned **Software Architect and Lead Developer** with expertise in designing and delivering advanced AI-powered solutions and secure, scalable architectures across various industries. Proven track record in leading development teams and managing AI projects, integrating cutting-edge technologies like Microsoft Graph API, Azure ML Services, and machine learning frameworks to enhance business productivity and decision-making. Skilled in implementing SOLID principles, CQRS patterns, and secure CI/CD pipelines, with extensive experience in tools such as C#.Net, Python, React Native, and MySQL. Adept at driving innovation, optimizing system performance, managing teams effectively in AI projects, and ensuring compliance with industry standards while fostering collaboration and technical excellence.

Total Experience(16Y)

Allion Technologies (2Y 6M)

I specialized in the architectural design and development of AI-based web applications, with a focus on optimizing architectures to support high-load, machine learning-intensive applications.

Architect Consultant

Nov2023 - Present, Colombo, Sri Lanka

GEMINATE:

Geminate is an advanced AI-powered software solution designed to address critical top-level business requirements, including financial operations, chief operating officer (COO) workflows and HR. The Geminate empowers organizations to optimize their core functions, enhance productivity, and achieve strategic business objectives.

Architecture Pattern

Serverless architecture,
Layered architecture,
Microservice, Client-server
Master-slave, Broker, Event-bus
pattern, Model-View-Controller (MVC), API
Gateway, Circuit Breaker, CQRS, Database per
Service, Aggregator,

Cloud Technology

AWS, Azure,

Tools

Visual Studio 2008-2022
MS SQL Server 2008-2019
Visual Studio Code, Jenkins 2.x(CI/CD)
Bitbucket, Docker Desktop, WSL, Kubernetes,
RabbitMQ, TFS,
Kafka, IIS, Apache, Nginx, SonarQube,
Elasticsearch (Logstash Kibana Elasticsearch),
Kali Linux, Ubuntu, Windows Server 2019,
Arduino, RPA UI Path, MS SQL Server 2019,
PostgreSQL, MySQL,
NopCommerce platform
ADOIT(TOGAF)

Security Governance & Tools

Qualys, Splunk & Bitsight vulnerability
Management, Penetration testing
management, SonarQube, Fortify, OWASP
dependency check, Burp Suite, Application
Security Analysis & Forecasting

EMOTIONAISE:

Emotionise is the only AI & NLP domain model trained with emotional intelligence at its core. Emotionise AI is trained on our own unique data which is created and curated by our own data creation team who are trained in our unique process. We are building our own specialized domain model - EIMEAR - Emotionally Intelligent Model - based on our own data.

<https://app.emotionise.ai/>

Solution Architect

Aug 2022 – Nov 2023, Colombo, Sri Lanka

HCSL

I successfully delivered a product to a client in New Zealand for audit management in various companies. In this project, I served as the Architect and coder for a six-member development team. We used .Net Core 6 for application development with CQRS using MediatR and Async REST API, MySQL DB, and Entity Framework 6. We hosted the application on an Azure App service with a MySQL flexible server using Bitbucket Pipeline. Our project management tools included JIRA, Bitbucket, and Scrum (two-week sprints).

Allianz Sri Lanka (1Y 8M)

Associate Architect Security & Application

Jan 2021 - Aug 2022, Colombo, Sri Lanka

As an expert in secure software development, I excel in designing secure architecture and managing the CI/CD process. My skills include guiding static code scanning to avoid common mistakes and architecting Microservices-based Identity Access Management (IAM) with automated testing and fully automated deployment in a Container Runtime Platform (CRP). I have experience managing Enterprise Architecture, Pentest, and mobile app development, with a focus on vulnerability management and quick issue resolution for security breaches across the Allianz network. In my role as a Security Champion and Data Privacy Champion, I take responsibility for ensuring the highest level of security and data privacy.

Pyxle International(7Y 6M)

Technical Lead/Dec 2018 - Dec 2020, Colombo, Sri Lanka

Associate Technical Lead/SEP 2015 - Nov 2018, Colombo, Sri Lanka

Senior Software Engineer + Scrum Master/Jun 2013 - Sep 2015,
Colombo, Sri Lanka

Cosmopolitan Institute(8M) / Lead Software Engineer(On site)

Mar 2012 - Oct 2012, Darussalam, Brunei

Education & Certification

Reactive Microservice Architecture Lightbend Inc (2020)

- Introduction to Reactive Systems
- Reactive Architecture Foundations
- Domain Driven Design
- Principles of Reactive Architecture
- Reactive Microservices

Reference

Amsafe Aviation(3Y 4M) / Software Engineer

Aug 2008 - Jan 2012, Colombo/Bridport,Sri Lanka/United Kingdom

AKLO IT(6M) / Software Engineer

Feb 2008 - Aug 2008, Colombo,Sri Lanka

M.Sc. - Business Information System Management

Middlesex University (2011- 2012)

B.Sc. - Bachelor of Computer Science

University of Colombo School of Computing (2005-2008)

Python for Data Science

IBM (Nov-2021)

ADOIT - Enterprises Architecture (TOGAF)

BoC Group (Jun-2021)

AWS - Solution Architect Associate

Amazon (2020-2023)

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