

# Mohammed Yaseen Hassan

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## General

• **Date of birth:** 1994 – 08 – 06 **Gender:** Male **Race:** Indian

## Skills

- C# | .NET | JavaScript | C++ | GraphQL | NodeJS | Python | Golang | HTML | CSS | XML | MD | React | MongoDB | Redis | RavenDB | CosmosDB | MySQL | DynamoDB | PostgreSQL | ArangoDB
- AWS | Azure | Xunit/Nunit | Jest | OOP | Terraform | Docker | Kitematic | Git/Github | Jira | Miro | LogEntries | GoCD | MailGun | SendGrid
- Backend developer | Intermediate Frontend developer | DevOps | Solutions Architect | IT Governance | Engineering Lead

## Education

<b>Tertiary</b>		
• Honors in Big Data Science	University of Witswaterstrand	2018-2020
• Bachelor in Computer Science Software engineering	University of South Africa	2013-2017

## Certifications (Current)

• Solutions Architect Associate	Amazon	2021
• Developer Associate	Amazon	2019
• Cloud Practitioner	Amazon	2019
• NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)	Udemy	2015
• React - The Complete Guide (incl Hooks, React Router, Redux)	Udemy	2015
• Python programming	Coursera	2015
• Introduction to Nuclear Engineering	Coursera	2015

## Experience

**Engineering Lead / Solutions Architect / IT Governance** [IQBusiness](#) **09/2021 - Current**

- **Nedbank:** Engineering lead for the revised solution of Nedbank's CAMS payment system on the assigning cards environment.
- Updating of current model in hand with ACI vendor to meet latest payments system.
- **Access Bank:** Solutions architect and IT Governance to revise current infrastructure on newly acquired bank. Make recommendations for future use and solve current issues that are not aligned with the COBIT, KING and ITIL frameworks.
- Update of current policies and creation of new policies of third parties or external vendors this contributing to updates on the Business Continuity and Disaster Recovery Plan. Creation of regulation process for any IT systems that may be internal or external.
- Led multiple projects including shifting over infrastructure and core banking system to make use of cloud services such as AWS to increase efficiency create baseline for automation that are inline with SARB and South African standards.

**Software Engineer / DevOps Engineer / Solutions Architect** [Entelect](#) **01/2021 - 08/2021**

- **Vodacom:** Led Developer Operations and Solutions Architect team in implementing the new super application newly acquired by Vodacom from Alibaba to implement in South Africa. Worked on multiple enterprise-level microservice applications in tandem with teams from Deloitte, Vodacom, Entelect and Alibaba. AWS driven.
- Revised parts of the infrastructure, like the Hadoop cluster, serverless databases, and routing configurations in order to better optimize efficiency from various systems. Shift over infrastructure to make use of IaC using Terraform.
- Led the development of several products, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards including CICD pipelines.

**Software Engineer / DevOps Engineer / Solutions Architect** [Trackmatic](#) **2016-2021**

- Designed and developed integration layers for various clients to make use of the system.
- Implemented enterprise and core C# .Net applications then recreated entire core applications on a new tech stack which leveraged cloud services. This included the change from traditional API's to making use of GraphQL.
- Implemented multiple micro service architecture applications to allow automation of reports and insights for various parts of the solution.
- Designed and implemented scalable API's and background workers for managing first- and third-party processes for logical seamless workflows.
- Implemented, designed and developed monitoring each core module of the solutions as well as orchestration and CICD.
- Led the development team on several products on the new tech stack, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards including CICD pipelines.

## Projects

- **Sim Device Management Portal:** Creator of a web application portal to load and manage sim cards, devices and customers to allocate and deallocate to and from each other. (02/2022)
- **Portfolio Rebalancing:** Designed and developed a portfolio rebalancing solution which included the use of machine learning techniques to accomplish the automation. (08/2019)