

# Jacques Kellerman

Solutions Architect (AWS Certified)



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## SUMMARY

I am an accomplished and results driven IT engineering professional that has made the transition to Cloud Architecture. Diversified and cross functional experience gained in multiple roles within the software development, financial services, telecommunications, FMCG manufacturing and fabrication engineering sectors.

Additionally, I have experience consulting for business requirements gathering across multiple business levels as well as working in technical pre-sales roles for new business development with stakeholder consultation at middle- to top-management levels.

Demonstrable experience in the project management of complex IT systems projects using Cloud technologies, multiple CAPEX and OPEX projects and turnkey manufacturing projects.

I possess a collaborative leadership style with the aptitude to effectively manage project execution, balanced with a technical background that ensures project deliverables are consistently met. Commercially driven, with the ability to increase operational and service excellence through team development, streamlining operations and improving procedures while developing relationships across all verticals in a matrix work environment.

I am innovative, adaptable, and highly analytical with a genuine curiosity for problem solving and a high motivation for learning new technologies.

I generate optimal results with a positive attitude and strong work ethic combined with a desire to continually build on success and add value for my employer.

## CORE COMPETENCIES

- |                            |                                 |                                   |
|----------------------------|---------------------------------|-----------------------------------|
| ▪ AWS Cloud                | ▪ Cloud Architecture            | ▪ Project Management              |
| ▪ IT Systems Management    | ▪ Technical Systems Integration | ▪ Business Analysis & Consulting  |
| ▪ CAPEX and OPEX Budgeting | ▪ Team Leadership               | ▪ Risk Management                 |
| ▪ Performance Management   | ▪ Key Relationship Management   | ▪ Resource Management             |
| ▪ Planning & Coordination  | ▪ Strategy Planning             | ▪ Change Management               |
| ▪ Critical Thinking Skills | ▪ Excellent Presentation Skills | ▪ Excellent Communications Skills |

## KEY ACHIEVEMENTS

- Design & implementation of hybrid cloud architecture to extend existing IT infrastructure to cloud platform
- Rapid execution of full remote-based working environment in response to COVID pandemic for 75+ users
- Realization of cloud-based VOIP telephone system spanning multiple national locations – achieving 79% reduction in yearly OPEX and consolidated billing
- Project managed the successful completion of multiple CAPEX infrastructure projects – new factory building | production line | manufacturing machine installations – all with multi-million Rand (ZAR) budgets
- Led architectural design, implementation, & integration teams (based internationally) for multiple transactional software system implementations at various financial and engineering institutions
- Headed project management team for implementation and international (TUV) certification of ISO9001:2008 QMS
- Developed and effected business workflows that reduced turnaround time on production machine component repairs by more than 55% and reduction in yearly new equipment component spend by 65%
- Headed previously neglected Business Unit to achieve annual double-digit percentage growth in turnover of multi-million Rands (ZAR) and consistent 30% plus gross profit targets

## TRAINING & CERTIFICATION

- [Amazon Certified: Solutions Architect - Associate](#)
- [Amazon Certified: Cloud Practitioner](#)
- [Microsoft Certified: Azure Fundamentals](#)

## WORK EXPERIENCE

### Engineering Manager

Automa Multi Styrene (Pty) Ltd

April 2017 – December 2020 (3 years 9 months)

*Johannesburg, South Africa & Mannheim, Germany*

- Managed national IT infrastructure and responsible for defining IT infrastructure strategy & architecture
- Led large CAPEX & OPEX IT projects, including the design and deployment of new IT systems and services that increased production capacities and operational efficiencies against measured KPIs
- Aligned IT & engineering related requirements, targets, strategies, and goals with the communicated EXCO vision by identifying, developing, and helping implement strategic initiatives for improved efficiency and productivity
- Preparation and presentation of project documentation and KPI reports in monthly management meetings, stakeholder meetings and investor presentations
- Developed successful relationships with third party vendors and suppliers and oversaw procurement within a global scope including international relationships across multiple time zones
- Provided professional and effective IT Engineering interface to EXCO members and key managers
- Collaborated with European-based plants and project managed multiple new product lifecycle projects with cross-functional team members & built and managed relationships with multi-national Tier 1 clients including major automotive and white goods electronics brands
- Headed Polyphen® business unit achieving forecasted turnover and profitability targets over multiple years
- Professionally oversaw rapid prototyping and proof of concept engineering development for customers
- Led continuous improvement projects to develop, enhance and automate production processes, streamline operations, reduce scrap, and improve production and operational efficiencies and overall quality.
- Planned, scheduled, managed, and reviewed equipment and resources within specific business units to achieve required production, sales, and gross profitability targets with reporting lines to multiple stakeholders

### General Manager

Transital Engineering (Pty) Ltd

July 2011 – October 2016 (5 years 4 months)

*Johannesburg, South Africa*

- Managed IT systems and infrastructure encompassing multiple factory locations
- Researched, designed, implemented, and oversaw effective IT systems, business processes, and management controls to ensure maximum resource efficiency to reduce cost inputs and improve delivery schedules
- Led cohesive cross functional team with strict implementation, management, and enforcement of OH&S regulations, KPI programs, and the ISO9001 QMS program
- Supervised daily operations and workflows in multiple fabrication, CNC, machining, and commissioning units
- Managed customer service and liaison, nurtured working relationships with clients and key stakeholders from both commercial and technical sides of the business
- Proficiently resolved customer and supplier issues/complaints and engineering enquiries
- Oversaw maintenance planning, scheduling and implementation for plant and equipment
- Coordinated the design, review, and sign-off processes for various new and rebuild components, assemblies, and machines for customers
- Led production planning, resource scheduling, monitoring, and reviewing for all project builds
- Costing projects and preparing RFQ responses based on drawing packs, scope of work documents and any other requirements for new machine builds and/or rebuilds

## **Operations Manager**

Flickswitch (Pty) Ltd

April 2008 – June 2011 (3 years 3 months)

*Johannesburg & Cape Town, South Africa*

- Co-founder of company that was self-bootstrapped
- Responsible for the setup & maintenance of all IT systems and infrastructures – Development, Production, Operations
- Oversaw daily operations – legal, financial, operational, staff, customer service and administration functions
- Identified, designed, and implemented multiple manual and automated processes and procedures to improve daily, weekly, and monthly workflows and tasks
- Identified, designed & implemented reporting structures of product channels for customers & internal business units
- Member of design team that developed custom SaaS applications for customer self-service requirements on Open Source development stack

## **Business Analyst & Developer**

Vodafone SA

March 2003 – March 2008 (5 years 1 month)

*Johannesburg, South Africa*

- Identification and documentation of business requirements and system processes of multiple projects for the architectural design, implementation and integration of multiple cellular channel frameworks including SMS, USSD and voice – used for gaming, messaging, airtime purchasing and voucher redemption projects
- Implemented an in-house UML development framework for new software projects
- Led project management and implementation of major software project integrations into Vodafone's systems for their prepaid service providers, including –
  - RICA project – provide registration functionality for existing SIMs in customer base (> 35 million profiles)
  - The porting of active prepaid SIM cards between to selected network operator in South Africa

## **Software Engineer**

Absolute Systems (Pty) Ltd

January 1999 – June 2002 (3 years 6 months)

*Johannesburg, South Africa & Toronto, Canada*

- Member of architectural design committee as well as development & integration teams (internationally based) for multiple transactional software system implementation projects at various financial and engineering institutions
- Team-lead for local and international development teams, including secondment to Toronto, Canada
- Managed large deliverables, including management of projects involving migration of financial based transaction systems from OS/2 to Windows XP operating systems, various software audits, reviews, and custom solutions of customer specific projects

## **EDUCATION**



**University of Johannesburg, South Africa** (formerly Rand Afrikaans University)

- B.Sc. – Bachelor of Science, Mathematical Sciences (Major in Computer Science)
- B.Eng. – Bachelor of Engineering, Mechanical

## **SKILLS**

- Microsoft Azure, AWS, SQL/NoSQL, Terraform, Python, Git & GitHub Actions, HTML5 & CSS
- Microsoft Office: Word, Excel, Outlook, PowerPoint, Microsoft Project, Microsoft Visio

## **LANGUAGES**

- English (Native)
- Italian, Dutch (A1)