

# J. Merwe

## Senior IoT Consultant

### SUMMARY

- 7+ years of experience in IT
- Upper-Intermediate English
- Available ASAP

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	IOT
<b>Programming Languages</b>	C#, Java, PHP, Python, Swift
<b>.NET Platform</b>	Azure
<b>Mobile Frameworks and Libraries</b>	Flutter
<b>Databases &amp; Management Systems / ORM</b>	Firebase, MySQL
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, Azure, GCP
<b>Amazon Web Services</b>	AWS SAM
<b>Deployment, CI/CD &amp; Administration</b>	CI/CD
<b>Platforms</b>	Firebase, IOT
<b>Version Control</b>	GitLab
<b>Methodologies, Paradigms and Patterns</b>	microservices architecture
<b>SDK / API and Integrations</b>	RESTful API
<b>QA, Test Automation, Security</b>	Testlab
<b>Other Technical Skills</b>	GitLab Pipeline, LaTeX

## **EXPERIENCE**

### **Flutter, AWS & IoT Contractor, JB&Kamp Technologies**

May 2021 to present

#### **Responsibilities:**

- Flutter development
- Python development
- AWS, microservices architecting
- IoT implementation & electronic design
- Leading and management of development teams
- Product ownership & project management

### **Chief Technology Officer, App Developer Studio**

Apr 2020 to Apr 2021

#### **Responsibilities:**

- Management of in-house as well as off-shore teams
- Management of project costs and identifying inefficiencies
- Implementation of QA and data protection processes
- Technical documentation i.e. architectural and client proposals
- Align technical strategy with business goals
- Supervise system infrastructure and create standardised, modular code
- Evaluating and implementing new systems and infrastructure, including a profitable hosting division
- Monitor KPI's and IT budgets to assess technological performance
- Communicate technology strategy to partners and stakeholders
- Upskilling team to grow companies' AWS Partner tier
- AWS, GCP, Azure, GitLab, GitLab Pipelines, Firebase (Analytics, Testlab), Microservice Architecture, Serverless, Flutter, Swift, Java, Transactional

### **Product Manager, FSK Electronics**

Dec 2018 to Apr 2020

#### **Responsibilities:**

- Product owner of new mobile application
- Management of product lifecycle, interdepartmental cooperation, business development and external suppliers
- Develop iOS & Android applications (Flutter), DevOps Lifecycle (Azure), CI/CD Pipeline (Azure), Testing Strategy, Support Pipelines

### **Head of Development, ThinkBig Solutions**

Mar 2016 to Feb 2019

#### **Responsibilities:**

- Innovation of our products and services
- Software development and architecting
- Developed a CAA approved application which is used for weight and balancing of aircrafts
- Setting up project plans and budgets
- Swift, Java, Python, Flutter, MySQL, AWS, REST, Microservices



## **Software Engineer, HVAC International**

Jan 2015 to Mar 2016

### **Responsibilities:**

- Developed a software system that monitor and diagnose servers deployed on multiple locations around South Africa
- C#, PHP, LaTeX

## **Co-Founder, Skygrid Solutions**

Jan 2015 to Dec 2016

### **Responsibilities:**

- SkyGrid focused on developing innovative smart grid solutions serving the domestic market
- With over 1,500 competing teams, our product and business model took us all the way to Denmark as one of the 50 finalists
- Arduino, Adafruit Fona, 2G/3G, Python, circuit design
- Assisting part-time to design a physical gyrocopter simulator
- Circuit design and implementation of microcontrollers and sensor inputs

## **EDUCATION**

**North-West University, B.Eng (Honours) in Computer Electronic Engineering**

## **ACHIEVEMENTS**

**Google Student Ambassador**

**Finalists in University Startup World Cup**

**Finalists in Airbus BizLab**

**AEROmobility Competition**

**3rd place in Accenture's Hackathon**

