

# CURRICULUM VITAE

## PERSONAL DETAILS

**Name** : Protus Mukhongo Kakai  
**Nationality** : Kenyan  
**Languages Spoken** : English and Kiswahili  
**Email address** : protuskakai@gmail.com

## EDUCATIONAL BACKGROUND

1990-1995: Moi University - B.Sc.(Information Sciences)  
(ICT Option), 2<sup>nd</sup> Class Upper Division  
1986-1989: St. Joseph's High- Kitale - B-(minus) in K.C.S.E.  
1977-1985: Sinyereri Primary - 57 / 72 Points in K.C.P.E.

## PROFESSIONAL BACKGROUND

2016 - Use of GPS for water utilities data collection  
(Kenya Water Institute)  
2012 - ABAP programming (Imperium Business Solutions Ltd)  
2012 - ITIL (Clone Consultants)  
2005 - MS SQL Server 2000 (Computer Pride)  
1997 - C++ Programming (Ultimax Computer Academy)  
1996 - COBOL Programming (University of Nairobi)

## EMPLOYMENT HISTORY

**May 2019 - Present** : Freelance Software Developer  
**Mar 2016 - Apr 2019** : ICT Assistant, Nzoia Water Services Company Limited  
**May 2013 - Feb 2016** : Freelance Software Developer  
**Dec 2011 - Apr 2013** : Analyst/Programmer, Rural Electrification Authority  
**Nov 2006 - Aug 2011** : Systems Analyst, Rift Valley Railways  
**Dec 1995 - Oct 2006** : Assistant Systems Analyst/Programmer,  
Kenya Railways

## **MAJOR ACCOMPLISHMENTS**

### **Nzoia Water Services Company Ltd (2016-2019)**

- Developed and implemented a web-based Helpdesk application
- Customized billing system to automatically post customer payments from MPESA portal
- Customized water billing software to incorporate online access features by customers
- Developed ICT inventory database

### **Rural Electrification Authority (2012-2013)**

- Linked MPESA payments with SAP ERP
- Developed and implemented a projects management solution

### **Rift Valley Railways (2007-2011)**

- Developed and implemented an in-house accounting system
- Developed and implemented a web-based Helpdesk application

### **Kenya Railways (2004-2006)**

- Computerized creditors ledger
- Computerized company's cashbook
- Computerized pensioners' payroll

### **Others**

- 2019- Developed a Sacco Management System for KIWACOE SACCO
- 2007- Developed a POS software for Citizone Caterers
- 2005- Developed College Management System for Railway Training Institute
- 2004- Developed a tailor-made water billing system for Sibanga Scheme Community Water Project
- Arduino and ESP8266 microcontroller-based electronic projects

## **AREAS OF EXPERIENCE**

1. ICT end-user training and support
2. Systems analysis and design
3. Database design, development and maintenance
4. In-house software development, installation and maintenance
5. Systems migration and integration
6. Feasibility study for new systems proposals
7. SAP and SAGE ERPs customization, configuration and support
8. Trouble-shooting of software and hardware, fixing them or escalating appropriately
9. Data modeling and analysis
10. Installation of operating systems and antivirus software
11. System documentation
12. Web and Mobile applications development and maintenance
13. Technical evaluation of ICT systems proposals and tenders
14. Network installation and maintenance
15. Repairs and maintenance of computer hardware
16. Keeping of ICT inventory records

## ICT SKILLS

- **Programming Languages:** Java SE, Python, VB, ABAP C, C++, C#, COBOL
- **Mobile application:** MPESA API integration, bulk SMS
- **Microsoft Office :** Word, Excel, Access, PowerPoint, Publisher
- **Operating Systems:** Unix, Windows (Server 2012, 10, 7, 8, XP)
- **Databases :** MySQL, Microsoft SQL Server, Microsoft Access
- **Web Design:** PHP, Laravel, JavaScript, HTML5, CSS, JSON
- **ERP Software:** SAP, SAGE and Microsoft Business Solution (Navision)
- **Software Development tools:** Eclipse, Netbeans, Wordpress, Visual Studio
- **Microcontrollers:** Arduino, ESP8266
- **Basic Electronics repair**

## AWARDS/RECOGNITIONS

- 2012 – Recognized as 2<sup>nd</sup> best innovator in ICT by Rural Electrification Authority
- 2009 – Given special award for exemplary performance by Rift Valley Railways

## HOBBIES

- Reading
- Internet Browsing

## REFEREES

1. **Mr. Amos Mulievi**  
ICT Executive,  
The Tea Board of Kenya,  
P.O. Box 20064-00200, Nairobi.  
Tel. 0722-271644  
Email: [amulievi@agricultureauthority.go.ke](mailto:amulievi@agricultureauthority.go.ke)
2. **Mr. Peter Wasike**  
ICT Supervisor,  
Nzoia Water Services Ltd,  
P.O. Box 1010-50205, Webuye.  
Tel. 0728778144  
Email: [pwasike@nzoiawater.or.ke](mailto:pwasike@nzoiawater.or.ke)
3. **Mr. Stephen Cheboi**  
Head of ICT,  
Kenya Forest Services,  
P.O. Box 30513-00100 Nairobi, Kenya.  
Tel. 0722784918  
Email: [stephen.cheboi@gmail.com](mailto:stephen.cheboi@gmail.com)