

# CURRICULUM VITAE

## FRANCIS KAMAU GATEHI

### BIO DATA

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NAME	FRANCIS KAMAU GATEHI
CITIZENSHIP	KENYAN
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### PROFILE

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A well-presented and focused Network Engineer with extensive experience in solutions implementation and project management, passionate about solving business challenges with various technologies. Possessing a record of delivering cutting edge solutions, achieving targets, as well as recognizing and developing opportunities, doing all of these whilst contributing to the overall performance of a team. Someone who is able to work alone or as part of a group, and who readily understands the importance of valuable customer service and of creating a good impression with patrons. Francis is currently looking forward to becoming an integral part of a team responsible for top-notch design, implementation and management of ICT systems. A team like yours where apart from contributing to the success of the business, he will also have opportunities to develop and advance his career.

### EDUCATION BACKGROUND

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#### INSTRUCTOR GUIDED SKILLS

##### 2006 – Present:

Cisco Certified Network Associate (CCNA)	Certified
Cisco Certified Network Professional (CCNP)	Certified
Cisco Certified Internetwork Professional (CCIP)	Certified
Cisco Certified Internetwork Expert (CCIE R&S) Written	Certified
CCIE R&S LAB – Attempted LAB - 8 <sup>th</sup> Feb 2013	Attempt

##### 2010:

K-Ninety East Africa Ltd  
(ISC)<sup>2</sup> CBK - CISSP Workshop

**2010:**

British Council Educational Services  
Executive Selling Skills workshop

**2004 - 2008:**

University of Nairobi  
Bachelor of Science (Physics) - Electronics and Microprocessors Major

**2005:**

New Horizons Computer Learning Centers  
Oracle 9i Database SQL/PLSQL  
Oracle 9i Database Administrator Fundamentals I & II  
Oracle 9i Database Performance tuning  
Oracle 10g - New Features

**1999-2002:**

Njiris High School  
K.C.S.E grade B+

**NON-INSTRUCTOR GUIDED SKILLS****Routing and switching**

Advanced routing utilizing RIP, EIGRP, OSPF, BGP  
Multicast Forwarding  
Designing, Implementing and Maintaining IPv6  
Designing, Implementing and Maintaining VLANs, Spanning Tree, Inter-VLAN routing, Hot Standby Router Protocol (HSRP), Virtual Router Routing Protocol (VRRP) and Gateway Load Balancing Protocol (GLBP)  
Site-to-site IPsec VPN, IOS Firewall and Cisco IOS IPS and Access Control Lists  
MPLS, Frame Relay, PPP, HDLC and ISDN, xDSL and Channelized lines (E1 / T1 / E3 / T3/ STMx)

**Voice & Unified Communications**

VoIP Gatekeepers and Gateways connecting to digital E1/T1 trunks or analog lines  
Quality of Service (QoS) using IntServ and DiffServ Models – Congestion Management and Avoidance, Traffic Shaping and Policing and link efficiency Mechanisms

**Linux Systems Administration**

Installing, upgrading and hardening linux servers  
Daily performing monitoring, maintenance of IPtables, LAMP, Tomcat, FTP etc  
Scripting in bash, php and working with awk  
RAID – Hardware RAID and primary and extended partitions maintenance

**Mysql Administration**

Experience in 4.x/5.x versions on Linux

Backups / Restores – Binlogs Management  
Exposure to different kind of Engines (Myisam / Innodb)  
MYSQL High Availability via Replication- master/master & master/slave  
Performance Tuning / Query Tuning  
Installations/Upgrades

#### Systems and Network Security

IDS/IPS – snort, tripwire  
Advanced TCP/IP analysis- Tcpdump, Ethereal/Wireshark  
Firewall deployments – Cisco ASA and Juniper Netscreen  
VPNs – route/policy based IPsec Tunnels, dialup VPNs and GRE tunnels

#### Applications & Web Technologies

HTML, PHP, Dot.Net Technologies, SOAP/XML, XML, ISO 8583 Formats,  
USSD and SMPP gateways etc.

## WORKING EXPERIENCE

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### **Aug 2012 to Today:**

#### **MasterCard Worldwide: Contract Network Engineer**

Currently I am supporting and managing assigned regional projects in South Asia, Middle East and Africa Region

#### **Responsibilities**

- Projects initialization, development of detailed technical requirements and designs for new or existing MasterCard Worldwide customer's networks and adapting current architecture to facilitate high network performance, reliability, scalability and redundancy.
- Support and act as the key customer contact person on assigned regional projects, which include responsibility for planning time and cost control, resource utilization and implementation.
- Corporate network setup and support of any system related issues and coordination with vendors for systems related projects.
- Develop and share implementation plans with the customer and any other involved vendor.
- Create technical documentation for all upgraded and new sites as per the recommended standard templates.
- Assist in troubleshooting and resolving corporate/production network issues follow ups with vendors on problems impacting corporate/production within my region.

## **June 2011 to July 2012:**

### **Comviva Technologies Limited: Mobile Commerce Solutions Consultant**

Offered level 2 support to the engineering teams across Airtel Africa operations in Deployment, Integrations, Operations and Maintenance for Mcommerce solutions.

#### **Responsibilities**

- Systems integrations with Banks and other Mobile Payment Merchants – Worked with the Airtel Money sales teams in collecting merchants and Banks requirements, helped the banks & merchants integrators understand the API documents, integrated several Airtel-Money projects in Kenya, Zambia and Madagascar
- Facilitated Airtel-Money platform transition from IBM to Comviva Technologies in different countries of operation.
- Installed the first Mobile Banking platform in Madagascar – Installed the Mbanking module for Airtel Madagascar based on ISO 8583, integrations with Bank of Africa team and performed the user acceptance tests
- Support the sales team in the qualification, analysis and presentations on the Mobile Financial System services and products.
- Trained and supported Level 1 Engineers on complex systems and infrastructure related issues
- Supported the finance teams on issues related to reconciliations and reports automations

## **May 2009 to May 2011:**

### **Telkom Kenya – Networks Presales/Implementation Engineer**

Designs, consultancy and project management for complex networks solutions for SME, Corporate and Public sector on managed services, IPT, Security, IP/MPLS and LAN/WAN solutions

#### **Responsibilities**

- Support the sales team in the qualification, analysis and presentations on the services and products offered by Orange-TKL such IPT, Data center, IP/MPLS, GSM based APN-POS solutions etc
- Response to customer's EOI/RFPs and delivering professional presentations, demos and POC to technical and management personnel and communicating with sales and product managers regarding customer needs
- TKL's Pre-sales systems Automation – Developed the project management/Proposal tracking tool for Orange-TKL's Pre-sales team based on LAMP.
- Network design, implementation and integrations – e.g. Kenya Orient's Insurance's IP/MPLS WAN solution, Designed IPT solution for Management Science for Health (MSH), IOM Multihoming solution, Kencall systems migrations from TDM to Fast-Ethernet on Optic Fiber Cable etc
- Network troubleshooting/ TCP/IP analysis – worked as a core engineer in troubleshooting L2/L3 issue on the Orange-TKL's IP/MPLS network infrastructure

- Other Telkom Kenya's internal projects solutions consultation – MPLS Phase II to offer managed service, Avaya Audio/Web conferencing solution and TKL's Datacenter solution

## **Nov 2007 - April 2009:**

### **Cellulant Kenya Ltd – Network Administrator**

At Cellulant Kenya I supported several African Nations including Kenya, Tanzania, Ghana, Nigeria, Zambia, Botswana and Malawi. I designed, installed and maintained the Nairobi Data center & DR site, Botswana Data center and Dar-es-Salaam hub and linked them to Internet Solutions MPLS cloud

### **Responsibilities**

- Design and implementation of network solutions to support Mobile banking platform - Setting up of local and the international network hubs based on Cisco routers, multilayer catalyst switches
- Daily network maintenance and monitoring
- Assisted the applications team in troubleshooting complex issue using packet sniffers and TCP analysis
- Vendor management – ISPs and Equipment suppliers
- Implementation of several site-to-site (IPSEC and GRE) VPN tunnels
- Setting up of Juniper Netscreen firewalls, Cisco Pix and ASA firewalls
- I was also in charge of the intrusion detection/prevention systems (IDS and IPS) mainly working with both Snort and Tripwire on a Linux platform
- Support different messaging gateways – Nordic Enterprise Messaging Gateway (EMG), Tango and Kernel - daily monitoring, configuration of SMPP connectors, connectors PDU logs analysis

## **2007 – University of Nairobi Studentship**

I was among the few students who were taken by the university of Nairobi Physics Department for Studentship program. I was involved in building high computing/availability cluster which consisted of 4 Linux servers. Also involved in testing clusters using C scripts, building Linux DHCP servers etc.

Designed Space Distribution Database Model - REF:

[http://archive.uonbi.ac.ke/departments/student\\_project\\_list.php?dept\\_code=KG&fac\\_code=145&acad\\_year=2006/2007](http://archive.uonbi.ac.ke/departments/student_project_list.php?dept_code=KG&fac_code=145&acad_year=2006/2007)

## **AWARDS**

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### **MasterCard Worldwide HEART Award**

On 4/10/2013 - I received the MasterCard Worldwide H.E.A.R.T. award for special contributions and outstanding support in the Nairobi office Network and IT setup.

## HOBBIES

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Reading on new technologies, watching movies etc.

## REFEREES

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Kindly feel free to contact any of the following for any information.

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