CURRICULUM VITAE

# CONTACT AND PERSONAL INFORMATION

**Name:** MAYAKA DONNICIAS **Date of Birth:** 18TH JANUARY, 1994

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# PERSONAL PROFILE

I am a **Solutions-driven programmer** (highly accomplished, skilled and knowledgeable computer scientist with extensive knowledge of programming and computer applications) with a four-year track record of commended performance in modular and object-oriented programming. Well-versed in all phases of the software development lifecycle, with a strong working knowledge of algorithms and data structures. Proven success engineering customized solutions improving business processes, operations and profitability.

Detail-oriented programmer and architect with 3+ years’ success devising innovative and tailored solutions to meet ever-changing business requirements within diverse industries. Advanced skill with leading-edge programming tools complemented by proven ability to assimilate and rapidly utilize emerging technologies. Solid mathematical knowledge with experience developing comprehensive algorithms and data-processing logic

I am a self-motivated team player who is focused, with enthusiasm in technology, excellent oral and written communication skills and can work under minimal supervision and highly versatile.

My skills are shaped with flexibility, positive attitude and diligence, fast learning, commitment, eagerness to learn and multi-task working abilities.

I believe in goal achievements through dedication to work and observing the organization’s standards and requirements.

**Professional strengths:**

* Possess excellent verbal and written communication skills
* Possess ability to incorporate user needs into cost-effective, secure and user-friendly solutions known for scalability and durability.
* Innovator of next-generation solutions, systems and applications fueling major improvements to the bottom line.
* Proven leader and project manager; drive system architecture decisions and lead projects from concept through the release process.
* Quick learner and ability to work under pressure
* In-depth knowledge of Database Techniques, OS and Data Structures
* Possess good management and organizational skills
* Ability to work in a team and under pressure
* Good motivator, enthusiastic and open to learn new ideas
* Sound knowledge of recognizing and analyzing information problems
* Ability to handle multiple tasks

**Technical Proficiency:**

* Programming Languages: Java, J2EE, C, C++, Perl, PHP, VB.Net, SQL Server, ASP.Net, HTML, XML, SAP, ActiveX
* Operating systems: AIX, Linux, Unix (Solaris/HP-UX), Windows XP/NT v4.0
* Applications and database systems: JBoss, Oracle, Access, DB2, Informix, Tomcat, Ingres and MYSQL
* Platforms and Hardware: IBM-compatible AT&T PC and Microprocessors
* Knowledge of Oracle, sql server,websphere,db2 and eclipse
* **Networking:** TCP/IP, SFTP, FTP

**My skills set**

* Software Development
* Solutions Deployment
* User Training & Support
* OOAD & RAD
* GUI Design
* Requirements Definition
* Coding & Scripting
* Debugging & Troubleshooting
* Testing & Documentation

# EDUCATION BACKGROUND

**2012-2016 April:** Maseno University - **Bachelor of Science in Computer Science**.

Attained second class upper.

**2012-2016 April:** Maseno University –**Cisco Certified Network Associate (CCNA Routing and Switching).**

**September 2014 to November 2014**: Maseno University: **Certificate in Leadership and Mentorship**

**2008-2011**: Kiareni Secondary School–**Kenya Certificate of Secondary Education (K.C.S.E)**

Attained a mean grade of **A-(Minus) of 74/84 points**.

**2006**: Marani D.O.K Primary School - **Kenya Certificate of Primary Education (K.C.P.E)**

Attained **303/500 Marks**

# WORKING EXPERIENCE

**May 2015– August 2015:** ICT Assistant Kisii County Government, ICT Department.

***Duties and responsibilities***

* Database Management.
* Installation and Upgrade of software.
* Software and mobile application development.
* Hardware and software maintenance and troubleshooting.
* Internet configuration and troubleshooting.

***Accomplishments:***

* Led solutions engineering that involved process automation, macro conversion and functionality enhancement. Replaced time-consuming, error-prone manual processes with elegant, automated solutions.
* Developed and implemented cross-platform, Java-based POS system. Completed project under budget and three weeks ahead of deadline.
* Coded new solutions that increased availability and scalability by 45% and 75%, respectively.

**January 2016 – April 2016:** Software Developer at Lakehub Kisumu

***Duties and responsibilities***

* Software and mobile app development.
* Database management and configuration.
* Software Troubleshooting

***Accomplishments:***

* Reengineered multiple systems that fueled improvements to productivity, efficiency, uptime and accuracy for global business operations. Developed code, system design and test/QA plans for all solutions and often coordinated the national or international rollout.
* Led, architected and participated in the design, testing and deployment of client/server, multitier applications, ActiveX and related components.
* Developed new procedures for requirements gathering, needs analysis, testing, scripting and documentation to strengthen quality and functionality of business-critical applications.
* Developed large-scale, portable, thread-safe and ultra-high performance foundation and application infrastructure libraries.
* Trained and mentored junior programmers in programming methodologies and best practices.
* Delivered back-office tools supporting ecommerce initiatives, enabling company to compete more effectively in the marketplace through search-engine optimization.
* Served as a core group member in defining and prioritizing technology investments for the next two years, ensuring the alignment of process, technology and business objectives.

**May 2015 – Date:** Chief Technology Officer and full stack developer at Niftecs Co. Ltd

***Duties and responsibilities***  
Develop, maintain, and upgrade cutting-edge financial-industry software. Coordinate design and implementation of applications, collaborating with project managers, engineering team, and client representatives to ensure on-time completion of project deliverables. Provide technical leadership to Junior Engineers, developing overall project architecture. Design Web applications and maintain content for web-based systems.

Within a collaborative development environment, design business systems for clients from diverse industries, including healthcare, finance, banking, retail, and human service. Engineer customized features and modules for new applications; devise enhancements and updates for existing application suites. Conduct detailed testing throughout life cycle and resolve system issues. Author system and design documentation.

**Part-time freelancer**: Developing in Perl, python and java and database administration (MySQL and oracle).

***Recent Seminars:***

* Enterprise Java Development
* C++ Programming: Concepts, Design and Implementation
* Windows Programming Using Visual C++
* Advanced Workshop in Object-Oriented Analysis and Design
* Project Lifecycle and Project Management Master Class
* Project Management Methods

# ACHIEVEMENTS

* **GAINED SKILLS IN:**
* **Programming/Software Development (Java, HTML/CSS, PHP, JavaScript, Visual Basic, Android App Development and Bootstrap libraries)**
* **Database Systems – MySQL**
* **Networking**
* **Computer/Internet Security**
* **Mobile App development**
* **Application and use of CMS (WordPress and Joomla)**

**Projects Undertaken:**

* Development of an **Immunization and Development System** Using ***Java Programming Language****. (MCH management system).*
  + Spearheaded creation of cross-platform interface, seamlessly merging application across UNIX- and Windows-based systems.
  + Coded data migration logic to ensure cross-platform compatibility
* Development of a **Sacco Management System** Using  ***HTML, CSS, Java Script, Bootstrap, PHP*** [*www.impactgroup.co.ke*](http://www.impactgroup.co.ke)
  + Designed server-side components and created servlets and stored procedures; reduced server load by 12%.
* Development of a **Document Management System** Using ***PHP, HTML, CSS, Java Script*** *and* ***Bootstrap***
* Development of a **Drug Store System** Using ***PHP, HTML, CSS, Java Script*** *and* ***Bootstrap***
  + Leveraged advanced knowledge of PHP to optimize login page; eliminated 15% of code while enhancing overall functionality and speed.
* Development of a **School Management System** Using***PHP, HTML, CSS*** and ***Java Script.***
* Charged with coding, testing, and integrating enhanced Web-based time clock / timesheet reporting functions for the school system designed for small- to mid-sized schools. Created login, interface, and SQL-based storage and reporting tools.
* Development of a **Leave Management System** Using ***Java Programming Language****.*
  + Created module to enable full integration with Microsoft Office, which simplified functionality for end users with limited knowledge of databases.
* Rapid development of websites using WordPress i.e. [www.kenyenyattc.ac.ke](http://www.kenyenyattc.ac.ke)

*Designed and launched key interfaces for the websites. Coordinated with security specialists, compliance teams, and project managers throughout development life cycle.*

* Kenya Saccos project, a one stop platform for all Saccos and self-help groups( still in development)
* Spearheaded development of XML content distribution server enabling real-time peer-to-peer connections using JMS and TCP protocols.
  + Eliminated costly data loss by implementing message redundancy logic within peer-to-peer system, **significantly enhancing audit performance**.
  + Managed ongoing enhancements, including guaranteed message delivery and connection load balancing to **minimize operating costs and improve functionality**.

# COMMUNICATING LANGUAGES

* ENGLISH (FLUENT)
* KISWAHILI (FLUENT)

# INTERESTS.

* Reading on emerging trends in technology.
* Watching movies
* Socializing
* Listening to music
* Watching and playing football
* Creative writing of short stories

# REFEREES

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