

# Andrew Mwangi Wachira

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## Professional Summary

I'm a Software Engineer with deep knowledge in API development, System Integrations, Implementations and Software Architecture. I have been involved in development of innovative solutions that expedite the efficiency and effectiveness of organizational success. Well-versed in technology and writing code to create systems that are robust, reliable and user-friendly. Skilled leader who has the proven ability to motivate, educate, and manage a team of engineers to build software and run implementations. I am a confident communicator, strategic thinker and innovative creator.

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## Highlighted Projects

Revenue Collection and Management Platform - Ruby API 2019-2021  
A billing, receipting and reporting engine that is integratable to existing ERPs, Banks and Mobile money providers. Currently implemented in Nairobi City County Government and Narok County Government among others.

ReconMate - Ruby API 2018  
A transaction matching tool for running financial reconciliations. This is being used to provide daily reconciled reports to our existing clients.

Nairobi City County Government LAIFOMS Integration 2019  
Development of an autonomous system broker that is able to integrate our cloud based revenue collection system to the county's legacy ERP system (LAIFOMS) for financial reporting and data management.

Asset Management System 2020  
An asset management system with capabilities of managing real estate, any leased or rented assets that need cyclic billing. Generates periodic statements to customer specifications with inclusion of other billable items and penalties.

BookWorm - Full Stack Software Engineer 2017  
URL: <https://bookworm-website.herokuapp.com/>

Web application that gives authors the opportunity to showcase their literary works amongst peers and where readers can have access to locally authored content.

- Built on the Ruby on Rails framework, I worked majorly on the backend model relationship and integration with other gems like Devise.

NG-CDF Portal - Full Stack Software Engineer

2017 - 2019

Web based portal for the management of bursary data and issuance, project tracking and documentation at the constituency level. Provides a reporting dashboard for high level management.

- Build on Ruby on Rails framework.

10kCLub - Full Stack Software Engineer

2016 - 2017

URL: <http://10kclub.invela.co.ke:3000>

A web application that allows members of the 10KClub to trade securities among themselves and also track the value of trading securities.

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### Technical Skills

Strong: Ruby, Ruby on Rails, Sinatra, SQL, Javascript, HTML, CSS, PHP, Ember.js, Angular.js, Drupal, Firebase, Git, Bitbucket

Experienced: React Native, Node.js, Materialize Python, Java, C++, Laravel

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### Personal Skills

- Quick learner, easily understands and adapts to new frameworks and systems.
- Good communication skills, I work well with teams to deliver quality work.
- Avid thinker, I second guess and criticize my approach to technical problems so as to arrive at the best.

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### Employment History

Solutions Architect, Telus Health, Canada

September 2023 - To Date

Achievements and Responsibilities

- Add new features on to Collaborative Health Record
- Implement feedback from market
- Address and fix discovered bugs within CHR

Head of Integrations and Implementation, Nouveta Limited

June 2018 - September 2022

Achievements and Responsibilities

- Design and development of a financial reconciliation tool for banks and financial institutions
- Development of a cash disbursements application for bulk payments
- Integrating our payment gateway into different ecommerce sites and platforms.
- Writing API based application to be consumed by our clients
- Research client problem and Identify best approaches in building their software
- Integrating different payment providers into our payments gateway Node
- Leading multiple payment integrations projects with banks and telcos.

Software Engineer, Digital for Africa

October 2017 - May 2018

Achievements and Responsibilities

- Build solutions for our clients based on Ruby on Rails, React Native or as client prefers
- Write tests and documentation for applications
- Research client problem and Identify best approaches in building their software
- Create data analysis and presentation tools

Full Stack Developer, Invela Securities Limited

November 2016 - April 2017

Achievements and Responsibilities

- Design and develop a securities trading system from the ground up using the Ruby on Rails framework.
- Maintain and test the same system during the pilot and integration phase.
- Educate the company staff on how to use the system.

Odoo CRM Integrator, Magari Africa Limited

October 2015 - January 2016

Achievement and Responsibilities

- Customize the open source Odoo CRM developed in Python to manage the company's fleet of motor vehicles and also manage their human resource.

PHP Web Developer, Jabavu Insurance Comparative

February 2015 - July 2015

Achievements and Responsibilities

- Maintain, test and debug their insurance comparison engine code written in PHP.
- Further develop and scale up the application to compare motor insurance and travel insurance quotes from different providers.

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### **Academic Qualifications**

Moringa School

February 2017 - September 2017

Software Engineering Immersive, Ruby Specialization

Jomo Kenyatta University of Agriculture and Technology  
January 2011 - December 2014  
Bachelor Science Computer Technology

Nyeri High School  
February 2007 - November 2010  
Kenya Certificate of Secondary Education

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### **Professional Qualifications**

Ascent Leadership Experience  
2014 JKUAT Chapter xdx  
Awarded Certificate of Participation

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### **Interests**

- Motorcycles: I love the thrill, feel and liberation of motorcycles, cruisers and dirt bikes. It offers a therapeutic experience.
- Car Engines: I have been intrigued by motor engines from a very young age. This interest has had me spending most of my weekends in the garage learning, fixing and testing car performances.
- DIY Projects: I love working with my hands to reclaim what people may call junk into furniture. I completed my coffee table made from old tyres, rope and a glass top over the weekend.

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### **References**

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