**RAYMOND KORIR**

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**Summary**

I have 4+ years of experience as a Senior Software Engineer with skills in **Backend Software Engineering, Microservice Architecture, and Full-Stack Development**. I have had success leveraging a combination of industry-standard and cutting-edge technologies to develop software solutions that solve unique business problems.

**Key areas of experience**

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| **Soft Skills** | **Hard Skills** | **Tools Skills** |
| Communication | Backend Engineering | Python |
| Collaboration | Microservice Architecture | Java |
| Creative Thinking | System Design | JavaScript (Nodejs/VueJs/React/Typescript) |
| Critical Thinking | Agile Methodology | Scala |
| Problem Solving | Documentation | SQL |
| Active Learning | Product management | Jenkins/Teamcity |
| Perceptiveness | DevOps | Cloud (AWS, Google Cloud, Azure) |
| Generating Hypotheses | Test Driven development | RestAPI |
| Judgement | CI/CD | GraphQL |
| Interpersonal Skills | Automation | Docker |

**Education**

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| **University of Nairobi**  **B.sc Mathematics and Computing**  2016 – 2020 (expected) | Second Class Honors |
| **Tsinghua University**  **Diploma in Comp Science.**  2018 – 2018 | * Weighted Average Mark / Grade: [B] |
| **Litein High School**  **High School Diploma**  2004 - 2008 | * [Grade B] KCSE |

**Professional employment**

**JP Morgan Chase**   
***Software Developer Intern*** *(December 2019 – April) (Part-time, 10 hours/week)*

* Built an Interface with a stock price data feed and set up a system for analysis of data using Reactjs and Typescript.
* Used JPMorgan Chase frameworks and tools to Implement the Perspective open source code which is written in python in preparation for data visualization.
* Collaborated with system engineers, data scientists, Frontend developers, and Backend developers to implement solutions that are aligned with and extend shared platforms and solutions.
* Analyze and visualize Data with Python Libraries (NumPy, Pandas & Matplotlib).
* Ensured that security and quality assurance best practices are followed throughout the entire software development life cycle
* Built Machine Learning Models
* Planned and conducted data studies
* Build predictive solutions at scale.

**Inuua Tujenge  
*Software Developer*** *(May 2018 – September 2019) (Part-Time, 20 hours/week)*

* Designed and developed web application from the planning stage to the development stage.
* Developed Backend server using Python Django Framework.
* Developed REST API using Django Rest Framework.
* Consumed REST API using Vuejs
* Implemented PostgreSQL Database.
* Optimizing Responses in Rest API’s to run faster through logging and caching
* I improved some existing source codes by ensuring clean and efficient codes.
* Unit-test code for robustness, including edge cases, usability, and general reliability
* Worked on bug fixing and improving system performance
* Evaluated and implemented new technologies to maximize development Efficiency
* Collaborated with cross-functional teams to define, design, and ship new Features
* Documented the application using Wiki.
* Implementation of CI/CD workflows using Jenkins and Bitbucket pipeline

**Quantopian   
*Open Source Contribution*** *(June 2014 – Present) (Part-Time, 10 hours/Week)*

* Code in python, mean reversion and trend following algorithm with Equities and futures.
* Co-integration and identified statistical relationships between different two assets.
* Designed various tools to analyze quantitative data.
* Build models using autocorrelation, portfolio optimization to reduce risk, and support decision making
* Persistently search for alpha and constantly identifying new opportunities in the market
* Implement quantitative trade through various algorithms.
* Develop and maintain a strong knowledge of trading strategies, technology and market structure.
* Analyze system performance and trading results to find ways to improve efficiency and client executions
* Perform simulations and Backtests