

# COLLINS KASYOKI THANO

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## Summary

A detail-oriented software engineer passionate about programming and technology. Adept at collaborating within teams, delivering insightful presentations, and crafting analytical reports. Proficient in Python, Java, PHP, HTML, CSS, JavaScript, SQL, JSON, Tableau, and RStudio

## Technical Skills

**Programming Languages:** Python, Java, PHP, HTML, CSS, JavaScript, and TypeScript.

**Java Frameworks:** Spring and SpringBoot.

**Web Development:** Django and Laravel.

**Backend Development:** PHP, Django Rest Framework, Nodejs RESTful APIs, and familiarity in back-end systems.

**Frontend Technologies:** Familiarity with React and Next.js

**Database Management:** PostgreSQL, MySQL, SQLite, MongoDB, UML, database design, data modeling, and optimization.

**Data Manipulation:** SQL, JSON

**Data Analysis and Visualization:** R, Tableau, WEKA, Prometheus, and Grafana.

**Version Control:** Git, Github, Gitlab.

**Issue Tracking:** Jira

**Containerization:** Docker.

**Agile Methodology:** Practitioner in Agile and iterative solutions.

**Debugging and Troubleshooting:** Proficient in identifying and solving issues.

**Object-Oriented Design:** Strong grasp of OOP principles.

**Software Testing:** Unit-testing experience.

**Continuous Integration:** CI/CD pipelines and Linux Bash scripting.

**Technical Writing:** Programming, data analytics, and debugging.

## Work Experience

**Freelancer: March 2023 - To Date.**

- Crafting custom solutions for clients in Python, Django, React, and Springboot.
- Part of the team building and maintaining SpaceYaTech's website (React, Typescript, and Django).
- Recently optimized a Laravel app by up to 25% for a personal blog.

- Created over 10 full database designs using UML modelling and Draw.io tool.
- Performed over 12 data mining projects using RStudio, Tableau, and Excel to deliver impactful presentations.
- Deployed personal projects to docker for quick access.
- Created over 50 professional-grade reports using Microsoft Office Suite, Libre Office Suite, and other tools.
- Built a Java application to store clients' book catalogues.
- Conducted comprehensive data analysis for tens of datasets of varying sizes and types.
- Analyzed and presented data for clients using Python or Tableau and created their professional reports.
- Participated in SpaceYaTech's open-source community teams to redesign and rebuild their website.

### **HyVal Solutions Limited**

#### **Software Developer: May 2021 - Feb 2023.**

- Participated in building, deploying, and securing the company website.
- Designed, implemented and managed company's and clients' dockerized projects and web applications.
- Improved website performance by 5% through optimization techniques.
- Worked on a Nodejs backend harmonizing data between 2 separate databases.
- Interacted with clients to capture software requirements and craft Software Requirements Specification (SRS) documents.
- Built and maintained more than 5 API services to ensure a smooth flow of data.
- Wrote Bash scripts to automate company VPS on backups.
- Aided in designing efficient git workflows with mirroring on both Github and Gitlab.
- Performed Linux Server administration involving software updates, database backups, and security configurations.

### **Education**

**Bachelor of Science (Computer Science),** Kisii University, 2013-2016

### **Interests**

Open source contribution, IoT, Smart agriculture, Research.