

# SILVESTER JUMBA

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## Technical Skills:

**Languages:** C#, JavaScript, Python, HTML5, CSS3

**Front-end Libraries:** React, Redux, J-Query, Ajax, Bootstrap

**Frameworks:** .NetCore, Flask, Django

**Dev Tools:** AWS EC2, Azure, GitHub, MySQL Workbench, RESTful API

**Methodologies:** MVC, OOP, Scrum, CRUD Operations

**Database:** MySQL, Postgres, MongoDB

## Projects

**Twitter** | [Live Site](#) | [Github](#)

App built using React, Redux, JavaScript, RESTful API, Agile methodology, Component UI, Mongo DB, CSS, HTML, and Bootstrap.

- Broke down tasks into manageable components within scrum methodology for effective collaboration
- Employed Component UI and Bootstrap to easily integrate UI features
- Analyzed and Integrated RESTful API using tools such as postman to monitor data and merge with UI
- Designed and executed methods and components using React/JavaScript/Redux and Express to create reusable components that are easy to manage, transfer data between components, and easily assign components

**Ecommerce** | [Live Site](#) | [Github](#)

App created using C#, .NetCore 2.1, Entity Framework, Identity, MVC architecture, OOP, Dependency Injection, Stripe API, CSS, HTML, Razor View Engine, MySQL, LINQ, and AWS for deployment.

- Integrated the App with Stripe API to take advantage of desirable features for an e-commerce app, such as payment processing
- Employed Visual Studio debugger, web dev tools, and a generally structured approach starting from top to bottom to correct bugs, monitor variables, and improve features
- Adopted tools such as OOP methodology, .NetCore, and dependency Injection to easily add classes, services, and packages; which helped to avail the features that were needed

**UserDashboard** | [Live Site](#) | [Github](#)

App Created using .NetCore 3.1, C#, Entity Framework, Identity for user management, MVC and OOP methodology, CSS, HTML, Bootstrap, MySQL, LINQ, and AWS for deployment

- Designed the app architecture using Workbench, MySQL and MVC Methodology to create wireframes that could easily guide the development process
- Executed the frontend using Razor View engine and Bootstrap to easily create a mobile responsive design
- Built functionality and methods using LINQ queries, Entity Framework, OOP, and Identity to easily query MySQL database, enhance security/user management, as well as easily map tables to database without errors
- Deployed the app using AWS, Linux, Nginx and Systemd services, which allows advantages like security, scalability, and reliability

## Education

Bsc Mechatronics Engineering, Jomo Kenyatta University of Agriculture and Technology, Nairobi 2004-2009

Software Engineering, Coding Dojo, C# Stack, Online, October 2018-June 2019

Software Engineering, Kenzie Academy, Frontend, Online, October 2019-October 2020

## Professional Experience

**Developer | Apprenticeship | Remote | May 2020-Present**

Developing Haystack App-a software and packages search tool built for developers

- Interviewed potential app users to understand needs
- Helped in decision making for the features to adopt
- Guided the UI team at top-level on how the backend integrates with frontend
- Designs the general backend architecture
- Writes and maintains code designed to achieve required features
- Debugs code to remove bugs and ensure its working optimally
- Considers Big O Notation and other approaches to ensure that code runs fast and efficiently
- In charge of ensuring high code standards for the backend team including the integration of SOLID principles, readability, and good documentation
- Works to ensure the App meets standard security expectations

#### **Associate Consultant | Sogeti | Redmond, WA | Feb 2019-October 2019**

Member of Microsoft Volume Licensing Team working as a licensing specialist and liaising clients with customer executives while preparing sale contracts.

- Prepared all contracts assigned and made any changes in accordance with new client demands and existing policies
- Identified bugs in tools used and worked with the technical team to rectify the same
- Communicated purchase policies to clients and worked with customer executives to resolve conflicts, and or provide special accommodations

#### **Sales Engineer | MEAF | Nairobi, Kenya | May 2016-June 2018**

- Innovative in recognizing customer needs and matching with appropriate solutions. For Example, helped a client migrate from the more expensive and pollutant polythene case sealing to hotmelt sealing
- Identified and followed on new market leads
- Analyzed market trends and assembled useful data for research and marketing purposes
- Resolved and addressed client concerns and needs
- Designed, suggested and implemented technical requirements for customer projects. For example, advised an investor setting up a soap plant on multiple engineering aspects of the project including the size and pattern of soap molds, etc.