SULEIMAN ZEILA
SOFTWARE/DATABASE DEVELOPER

My Contact

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Hard Skill

- **Programming Languages: Python, C++, JavaScript,**
- **Web Development: HTML, CSS, JavaScript,React, Angular, Django, Nodejs**
- **Database Management: MySQL, PostgreSQL, MongoDB, Firebase**
- **Version Control: Git. Github**
- **Algorithms and Data Structures**
- **Object-Oriented Programming (OOP)**
- **Operating Systems: Windows, Linux, macOS**
- **API Integration**
- **Cloud Computing: Firebase**
- **Machine Learning and Data Science: scikit-learn, TensorFlow and pandas.**
- **Security and virus control.**

Personal Details:

POSTAL ADDRESS	16109 – 00100, NAIROBI, KENYA.
DATE OF BIRTH	21ST OCTOBER 1998
MARITAL STATUS	SINGLE
NATIONALITY	KENYAN
LANGUAGES SPOKEN	KISWAHILI, ENGLISH, SOMALI, ARABIC

CAREER OBJECTIVE

As a Computer Science Bachelor's degree graduate and a dedicated software developer, my career objective is to leverage my technical expertise and problem-solving skills to contribute to innovative software projects. I aim to collaborate with dynamic teams in a challenging environment where I can continuously learn and grow as a professional. With a passion for creating efficient and user-friendly solutions, I am committed to developing cutting-edge software applications that positively impact people's lives and contribute to the advancement of technology. I strive to be an integral part of projects that push the boundaries of technology, foster creativity, and provide opportunities for personal and professional development.

SUMMARY

Highly skilled and results-driven Software Developer with 3 years of experience in designing and implementing web applications and software solutions. Proficient in Python, JavaScript, and web frameworks such as React and Django. Strong expertise in database management and version control. Committed to delivering high-quality projects and passionate about leveraging technology to drive positive impact.

Soft Skill

- Observation
- Decision making
- Communication
- Multi-tasking
- Collaboration
- Problem-Solving
- Adaptability
- Attention to Detail
- Leadership
- Continuous Learning

Education Background

INSTITUTION	DURATION	QUALIFICATION
KENYATTA UNIVERSITY	AUG 2023 - PRSESENT	MASTER OF SCIENCE IN COMPUTER SCIENCE
GARISSA UNIVERSITY	AUG 2018 - JUNE 2023	BACHELOR OF SCIENCE IN COMPUTER SCIENCE
NYERI HIGH SCHOOL	JAN 2016 - NOV 2017	KENYA CERTIFICATE OF SECONDARY EDUCATION
MWANGAZA HIGH SCHOOL	FEB 2014 - DEC 2015	KENYA CERTIFICATE OF SECONDARY EDUCATION
AL - FAROUQ PRIMARY SCHOOL	JAN 2006 - NOV 2013	KENYA CERTIFICATE OF PRIMARY EDUCATION
AQSA COMPUTER TRAINING	APR 2015 - MAY 2015	BASIC INFORMATION TECHNOLOGY

Work Experience

Self Employed | Freelancer, Full Stack Developer
Aug 2021 - Present

Key responsibilities:

- Web Development: My Primary Focus Is Designing And Developing Websites, Whether From Scratch Or By Enhancing Existing Ones. This Entails Creating The Frontend User Interface Using HTML, CSS, And JavaScript, As Well As Implementing Backend Functionalities Using Programming Languages Like Python, JavaScript, PHP, Or Others.
- System Development: I Take Pride In Building Custom Systems And Applications Tailored To Meet The Specific Needs Of My Clients. This May Involve Developing Software Solutions For Data Management, Inventory Systems, Customer Relationship Management (CRM), Or Any Other Bespoke Software Required By My Clients.
- Client Communication: As A Self-Employed Freelancer, I Directly Interact With My Clients To Thoroughly Understand Their Requirements, Discuss The Project Scope, And Provide Regular Updates On The Progress. Maintaining Open And Clear Communication Is Key To Ensuring Client Satisfaction Throughout The Development Process.
- Project Management: I Am Responsible For Managing Project Timelines, Setting Milestones, And Ensuring That I Deliver Completed Projects To My Clients Within The Agreed-Upon Time Frame And Budget.
- Testing And Quality Assurance: I Conduct Rigorous Testing Of Websites And Applications To Identify And Fix Bugs, Ensuring That The Final Product Meets High-Quality Standards And Exceeds Client Expectations.
- Deployment And Hosting: I Assist My Clients In Deploying Their Websites On Hosting Servers, Configuring Domain Settings, And Ensuring That The Websites Are Accessible And Fully Functional.
- Client Support: After Project Completion, I Provide Ongoing Technical Support And Troubleshooting Assistance To My Clients. Addressing Any Issues That Arise Post-Launch And Making Necessary Updates Or Modifications Is Part Of My Commitment To Delivering A Seamless User Experience.

Social Environmental Agency, Web Developer And Webmaster | Remote
Apri 2021 – May 2023

Key responsibilities:

- Website Development: I Design And Develop New Website Features And Functionalities Using Various Web Technologies Like HTML, CSS, JavaScript, And Relevant Frameworks. My Goal Is To Implement Responsive Design To Ensure An Optimal User Experience Across Different Devices.
- Content Management: I Am Responsible For Updating And Maintaining The Content On The Agency's Website, Including Text, Images, Videos, And Other Media. It's Essential For Me To Ensure That All Content Is Accurate, Up-To-Date, And Aligned With The Agency's Goals And Messaging.

- Website Optimization: I Monitor Website Performance And Conduct Optimization Efforts To Improve Page Load Times, User Experience, And Search Engine Rankings. Implementing SEO Best Practices Is Part Of My Efforts To Increase Organic Traffic.
- Security And Maintenance: Regularly Updating Website Software, Plugins, And Security Measures To Protect Against Potential Cyber Threats And Vulnerabilities Is Crucial. I Also Ensure That Website Data Is Backed Up Regularly To Prevent Data Loss.
- Bug Fixing And Troubleshooting: Identifying And Resolving Technical Issues And Bugs On The Website Is Part Of My Responsibilities. I Conduct Thorough Testing To Ensure The Website Functions Correctly Across Different Browsers And Devices.
- Web Analytics: Monitoring Website Traffic And User Behavior Using Tools Like Google Analytics Is Important For Me. Analyzing Data Helps Me Gain Insights Into User Engagement And Make Data-Driven Decisions For Website Improvements.
- Remote Collaboration: Effectively Communicating And Collaborating With Team Members And Stakeholders Remotely Is A Vital Aspect Of My Role. I Actively Participate In Virtual Meetings, Provide Status Updates, And Share Progress On Projects.
- Domain And Hosting Management: I Oversee Domain Registration, Renewals, And Manage Website Hosting Services To Ensure The Website Remains Accessible.
- User Support: Assisting Users With Technical Issues Related To The Website, Responding To Inquiries, And Providing Guidance As Needed Is An Essential Part Of My Role.
- Collaborative Projects: I Work On Collaborative Projects With Other Teams Within The Agency, Such As Marketing Or Communications, To Support Their Digital Initiatives.

Centre For Sustainable Development Initiative, Software Developer | Attachment

Apri 2021 – Aug 2021

Key responsibilities:

- Software Development: Actively Participate In Designing, Coding, Testing, And Debugging Software Applications That Align With The Organization's Goals And Requirements.
- Requirements Gathering: Collaborate With Stakeholders, Including Project Managers And End-Users, To Gather And Analyze Software Requirements, Ensuring A Thorough Understanding Of The Needs And Objectives.
- Design And Architecture: Contribute To The Design And Architecture Of Software Applications, Creating Well-Structured And Scalable Solutions That Can Adapt To Evolving Needs.
- Coding And Implementation: Write Code And Implement Features Based On The Agreed-Upon Specifications And Design. This Involves Using Programming Languages And Technologies Relevant To The Project.

- Quality Assurance: Conduct Testing And Quality Assurance Procedures To Identify And Resolve Any Bugs, Errors, Or Issues In The Software.
- Version Control: Use Version Control Systems Like Git To Manage Code Changes, Collaborate With Team Members, And Maintain A Stable Codebase.
- Documentation: Create And Maintain Documentation For The Software I Develop, Including Technical Specifications, User Guides, And Other Relevant Materials.

Projects

Stock Tracker - Last Two Months History and One-Month Prediction click here to visit

Developed a Stock Tracker web application that allows users to analyze historical stock data for the last two months and provides a one-month stock price prediction using machine learning algorithms.

Role and Contributions:
- As the sole developer of this project, I conceptualized and designed the application. I was responsible for data training and modelling and data virtualization.
- Deployed the app to the cloud for online users to access. Hosted with Streamlit share

Technologies Used:
- Data Collection: Yfinance
- Data Analysis: Pandas, NumPy
- Machine Learning: Scikit-learn
- Data Visualization: Matplotlib, Plotly, Streamlit
- Language: Python

Features:
- Real-time stock data retrieval using an API
- Display of historical stock data in an interactive graph
- Implementation of machine learning algorithms for prediction
- User-friendly interface with seamless navigation

Outcome:
The Stock Tracker app provides users with valuable insights into historical stock trends and forecasts. Users can make informed investment decisions based on the one-month prediction, helping them strategize and manage their portfolios effectively.

Personal Portfolio - Online
Click here to visit

Designed and developed a personal portfolio website to showcase my skills, projects, and experience. The portfolio serves as an online resume, providing potential employers and clients with an overview of my work and expertise.

Role and Contributions:
- As the sole creator of this project, I handled all aspects of development, including design, front-end coding, and deployment.

Technologies Used:
- Frontend: HTML, CSS, JavaScript
- Deployment: Netlify

Features:
- Modern and responsive design for optimal user experience across devices
- Sections for About Me, Skills, Projects, and Contact Information
- Project showcase with details and live links (where applicable)
- Dynamic animations to enhance user engagement

Outcome:
The personal portfolio website serves as a centralized platform to present my work and abilities. The modern design and smooth user experience create a positive impression for potential employers and clients.

Shunaz Construction and Supplies Company Limited Website
Click here to visit

Developed a comprehensive company website for Shunaz Construction and Supplies Company Limited using HTML, CSS, and JavaScript. The website serves as a professional platform to showcase the company's services, projects, and contact information, enhancing their online presence and brand visibility.

Role and Contributions:
As the lead developer and project manager, I collaborated closely with the client throughout the development process. I was responsible for designing and implementing the website's frontend, ensuring a user-friendly and responsive layout. Additionally, I integrated JavaScript functionalities to enhance the user experience.

Technologies Used:
- Frontend: HTML, CSS, JavaScript
- Web Hosting: HostAfrica
- Domain: shunazconstruction.com

Features:
- Customized and modern design tailored to the company's branding
- Mobile-responsive layout for optimal viewing on various devices
- Interactive image galleries showcasing completed projects and services
- Contact form with form validation for easy client communication
- Search engine optimization (SEO) techniques to improve online visibility
- Google Analytics integration to track website performance and user behavior
- Add SSL certificate to the website

Outcome:
The Shunaz Construction and Supplies Company Limited website has received positive feedback from both the client and their customers. The website's seamless navigation, visually appealing design, and improved search engine visibility have contributed to increased website traffic and lead generation for the company.

Computer Science Club, Garissa University
Co-founder

- Presented a need for a computer science club to student government and the dean of students, obtained club approval, and secured club advisor
- Co-founded the computer science club at the Garissa University to encourage exchanges among CS students surrounding new concepts and technical problems
- Led club members to spend 2 hours a week pair programming with another member to share learnings
- Partnered with journalism majors to attract 35 active members to the club in first year, using web and tv campaigns

Election Data Analysis App - Kenya General Election 2022

Led and managed the development of an advanced election data analysis app using Python for a candidate running for the Dadaab MP seat in the Kenya General Election 2022. The app revolutionized the data entry process and facilitated real-time auto analysis of votes, providing faster and more accurate insights to support crucial decision-making during the election.

Role and Contributions:
As the team leader, project manager, and chief developer, I played a central role in coordinating the project from inception to completion. I led a team of developers, ensuring seamless collaboration and timely project milestones. Additionally, I personally designed and implemented significant portions of the app's frontend and backend.

Technologies Used:
- Frontend: Streamlit
- Backend: Python (Pandas)
- Database: Firebase
- Deployment: Render

Features:
- User-friendly interface for seamless data entry and management of election results
- Real-time auto analysis of votes to monitor the candidate's performance
- Visualization of voting trends and patterns using interactive charts and graphs
- Secure authentication to ensure data privacy and integrity
- Firebase integration for efficient data storage and retrieval

Outcome:

The Election Data Analysis App proved to be a game-changer during the Kenya General Election 2022. As the team leader and project manager, I ensured effective communication and collaboration within the team, resulting in the successful delivery of a high-impact solution. The app's efficiency in analyzing votes data played a crucial role in making informed decisions and optimizing campaign efforts.

Comment:

In my capacity as the team leader, project manager, and chief developer, I showcased strong leadership, organizational, and technical skills throughout the development process. The successful outcome of this project reflects my ability to manage complex projects, lead a team to achieve common goals, and deliver innovative solutions to address real-world challenges.

Green Nomad Logistics Website Development
Click here to visit

As a solo developer, I took on the responsibility of designing, developing, and deploying the website for Green Nomad Logistics, a sustainable logistics company. The website served as an online platform to showcase the company's services, values, and portfolio of eco-friendly transportation solutions. The project aimed to create a visually appealing and user-friendly website that aligned with the company's environmentally conscious brand image.

Role and Contributions:

As the sole developer for this project, I handled all aspects of the website's development, from designing the frontend to implementing the interactive features and functionalities. I utilized a combination of HTML, CSS, JavaScript, Bootstrap, and jQuery to create a responsive and visually engaging layout. Additionally, I integrated Formspre, an email form service, to enable seamless communication with website visitors.

Technologies Used:
- Frontend: HTML, CSS, JavaScript, Bootstrap, jQuery
- Email Forms: Formspree

- Deployment: Hostafrica

Features:
- Modern and responsive design to ensure optimal user experience across devices
- Interactive elements and animations to enhance user engagement
- Portfolio section showcasing the company's eco-friendly transportation projects
- Contact form with Formspre integration for easy client communication
- Secure Socket Layer (SSL) certificate for data encryption and enhanced security
- Search engine optimization (SEO) techniques to improve online discoverability
- Google Analytics integration to track website performance and user behavior

Outcome:
As a solo developer, I successfully delivered the Green Nomad Logistics website, which effectively reflected the company's commitment to sustainability and responsible logistics practices. The website's visually appealing design and intuitive navigation conveyed the company's mission and attracted potential clients interested in eco-friendly transportation solutions. The implementation of the SSL certificate ensured secure data transmission, instilling confidence in visitors while interacting with the website.

Al-Aqsa Bookshop and Electrical Point of Sale

Developed a comprehensive Point of Sale (POS) system for Al-Aqsa Bookshop and Electrical using a combination of HTML, CSS, JavaScript, PHP, and MySQL. The POS system was designed to facilitate seamless transactions, inventory management, and sales reporting for the bookshop and electrical store.

Role and Contributions:
As the sole developer for this project, I handled all aspects of the POS system's development, including designing and implementing the frontend using HTML, CSS, and JavaScript. Additionally, I developed the backend functionalities using PHP and integrated MySQL as the database for data storage and retrieval. Ensuring the security and protection of customer data, I also implemented an SSL certificate for secure transactions.

Technologies Used:
- Frontend: HTML, CSS, JavaScript
- Backend: PHP
- Database: MySQL
- Security: SSL certificate

Features:
- User-friendly interface for efficient point of sale operations
- Inventory management system to track product stock levels
- Sales reporting and analytics for business insights
- Secure SSL certificate implementation for data encryption
- Integration with Google Search Engine for enhanced online discoverability
- Google Analytics integration for monitoring website traffic and user behavior

Outcome:

As a solo developer, I successfully delivered the Al-Aqsa Bookshop and Electrical Point of Sale system, providing the store with an effective and streamlined solution for managing sales and inventory. The user-friendly interface improved the efficiency of day-to-day transactions, while the integration with Google Search Engine and Google Analytics enhanced the store's online presence and provided valuable insights into customer behavior.

HOBBIES
- Playing Chess
- Reading non-fiction books
- Developing productivity and messaging apps

Referee

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