George Ongoro

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Summary

I am George Ongoro, a passionate and skilled programmer based in Kenya, with a diverse knowledge base and extensive experience in software development. Having completed high school in 2023, I achieved a strong academic record, particularly excelling in Computer Studies. Over the years, I have honed my skills through self-directed learning and online courses, gaining proficiency in multiple programming languages and technologies.

Skills and Knowledge
- **Programming Languages:** Proficient in C#, C++, Java, JavaScript, React JS, React Native, SQL, SQLite, HTML, CSS, PHP, Python, and MySQL.
- **Application Development:** Experienced in developing Windows Forms applications, including GSCapture (screenshot and screen recording app), Best Color Picker, GelNotes (Notepad app clone), and GelPlayer (music player app).
- **Web Development:** Skilled in creating dynamic and responsive websites, with experience in both front-end and back-end development. Successfully built a website for a mechanic's business.
- **Mobile Development:** Working knowledge of Android development, currently developing Num Snap, an image scanning app using Java and ML Kit for text recognition.
- **UI/UX Design:** Proficient in designing user-friendly interfaces using WPF and .NET MAUI for desktop and mobile applications.

Industry Experience
- **Project Development:** Created a variety of applications ranging from utility tools like a calculator app and text editor to entertainment apps like a fully functional chess game and Gel Lists (a notes and to-do list app).
- **Client Projects:** Developed a business website for a mechanic, showcasing a strong ability to understand and meet client requirements.
- **Ongoing Projects:** Currently developing EchoBlend, a Windows application for recording audio from the system or microphone, and ExpressIt, a .NET MAUI sticker application integrating online sticker collections.

My commitment to continuous learning and exploring new technologies positions me as a versatile and innovative programmer, eager to contribute to dynamic and challenging projects.

Experience

GsCapture Project | Nairobi city, Nairobi
Programmer | 07/2024 - 07/2024
GSCapture

*Project Overview:*GSCapture is a versatile screenshot and screen recording application designed to enhance user productivity and creativity. This powerful tool allows users to capture high-quality screenshots and record their screens effortlessly. It provides a range of features for exporting images in various formats, applying filters, and editing images directly within the app.

Key Features:

- **Screenshot Capture**: Instantly capture screenshots with customizable hotkeys and region selection options.
- **Screen Recording**: Record your screen with high-definition video and audio, perfect for creating tutorials, presentations, and more.
- **Export Options**: Export captured images in multiple formats such as PNG, JPEG, BMP, and GIF, ensuring compatibility with various platforms and use cases.
- **Image Filters**: Apply a variety of filters to enhance your images, including grayscale, sepia, and more.
- **Image Editing**: Edit your screenshots with built-in tools for cropping, resizing, annotating, and adjusting brightness and contrast.

Technologies Used:

- **Programming Language**: C#
- **Frameworks and Libraries**: Winforms, FFMPeg
- **Tools**: Visual Studio, Git, Windows Computer

*Impact:*GSCapture streamlines the process of capturing and editing screenshots and screen recordings, making it an invaluable tool for educators, content creators, developers, and anyone needing to document and share their screen activities effectively.

Best Color Picker | Nairobi city, Nairobi
Programmer | 03/2024 - 03/2024
Best Color Picker

*Project Overview:*Best Color Picker is a user-friendly application designed for designers, developers, and digital artists to easily select and manage colors. Inspired by Just Color Picker, this tool offers a comprehensive set of features to accurately identify colors, save them for later use, and enhance the creative workflow.

Key Features:

- **Color Identification**: Quickly pick colors from any part of your screen with high precision.
- **Color Formats**: View and copy color codes in multiple formats including HEX, RGB, HSL.
- **Color Palette Management**: Create and manage custom color palettes to organize and store your favorite colors.
- **Adjustable Color Picker**: Customize the color picker tool to fit your specific needs, including adjusting the picker size and sampling areas.

Technologies Used:

- **Programming Language**: C#
- **Frameworks and Libraries**: Winforms
- **Tools**: Visual Studio

*Impact:*Best Color Picker simplifies the process of color selection and management, making it an essential tool for anyone working with digital media. Its intuitive interface and robust features help streamline creative workflows and ensure color consistency across projects.

Skills

C#, C++, Java, Python, HTML, CSS, JavaScript, SQL, SQLite, Winforms, WPF, WinUI, TKinter, Kivy, Swing, Application Development, Application Development

Education

Saint Joseph Technical Secondary School | Nairobi city, Nairobi
Computer Studies | 11/2023
Attained a mean grade of C+ with an A plain in computer studies.

Languages

English, Swahili

Extras

Below are some of the projects I have created so far on my own in my 4 years career and experience.

- **GSCapture:** A versatile screenshot and screen recording application. It allows users to capture images, apply filters, edit, and export in various formats.
- **Best Color Picker:** A utility app similar to Just Color Picker. It helps users select, save, and manage colors for their design projects.
- **GelNotes:** A text editor application that functions like Notepad. It offers a simple interface for creating and editing text files.
- **GelPlayer:** A music player app that supports various audio formats. It provides basic playback controls and playlist management.
- **Calculator App:** A functional calculator app resembling the default Windows calculator. It includes basic arithmetic operations and some advanced features.
- **Text Editor App:** A simple text editor similar to Notepad. It provides basic text editing functionalities.

- **Gel Lists:** An app that combines note-taking and to-do list functionalities. It helps users organize tasks and notes efficiently.
- **Chess Game:** A fully functional chess game application. It offers a user-friendly interface for playing chess against the computer or another player.
- **EchoBlend:** A Windows application for recording audio from the system or microphone. It aims to include functionalities for playing audio files of various formats in future updates.
- **ExpressIt:** A .NET MAUI sticker application that integrates a collection of stickers, possibly sourced from online platforms like Giphy, for expressive messaging.
- **Num Snap:** An image scanning app developed using Java in Android Studio. It uses ML Kit for text recognition, allowing users to take pictures or select images from the gallery and extract text.
- **Mechanic's Business Website:** A dynamic website created for a mechanic's business. It features essential information and services offered by the mechanic, designed to enhance the business's online presence.

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