

DARLENE BRIDGETE

Software Engineer

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<https://portfolio-github-io-brooke2384s-projects.vercel.app/>

PROFESSIONAL SUMMARY

A highly motivated and diligent software engineer with a strong foundation in web and mobile development, cybersecurity, and data management. Equipped with hands-on experience in building and deploying responsive web applications, dynamic mobile apps, and secure, scalable systems. Demonstrated proficiency in a variety of programming languages and frameworks including Python, JavaScript, TypeScript, React and Flutter. Adept at solving complex problems, collaborating with cross-functional teams, and continuously learning to stay updated with emerging technologies. Seeking a software engineering role where I can leverage my skills and passion for technology to contribute to innovative projects and drive organizational success.

EXPERIENCE

Web Developer, Greatest Interactive

April 2022- Jan 2024

- Developed and maintained web applications using React and Node.js, focusing on delivering dynamic and responsive user interfaces.
- Collaborated with cross-functional teams to ensure seamless integration of front-end components and back-end services.
- Conducted code reviews and optimized existing code for improved performance and scalability, enhancing overall application efficiency.
- Implemented responsive design techniques to ensure applications function seamlessly across various devices, maximizing user engagement.

Mobile Flutter Developer, Freelance

Jan 2023- Present

- Developed and launched multiple cross-platform mobile applications using Flutter, ensuring high performance and responsiveness on both iOS and Android devices.
- Collaborated with UI/UX designers to create visually appealing and user-friendly interfaces, implementing best practices in mobile design.
- Integrated RESTful APIs and third-party services to enhance app functionality, demonstrating proficiency in data management and backend communication.
- Conducted thorough testing and debugging to ensure app stability and usability, applying Agile methodologies for continuous improvement.
- Actively participated in code reviews, fostering collaboration and a commitment to clean, maintainable code.

Front End Developer, Freelance *April 2021- Present*

- Led the design and development of responsive, high-performance web applications using HTML, CSS, JavaScript, and React.
- Integrated APIs and implemented advanced optimizations for website performance, accessibility, and SEO.
- Architected scalable, maintainable codebases, using modern frameworks like Bootstrap and Tailwind CSS for mobile-first designs.
- Ensured cross-browser compatibility and accessibility adherence to WCAG standards.
- Collaborated with clients to understand business goals, providing tailored, data-driven solutions.
- Mentored junior developers, conducted code reviews, and championed best practices in agile development.

PROJECTS

Portfolio Website

Next.js, Tailwind CSS, Framer Motion

- Developed a responsive and dynamic portfolio website showcasing personal projects and skills.
- Integrated smooth animations using Framer Motion to enhance user experience.
- Implemented SEO best practices to improve site visibility and performance.

Weather Dashboard

Built with React, Vite, Openweather API

- Created a weather dashboard app using React and Vite that fetches real-time weather data from the Openweather API.
- Designed a clean and intuitive user interface with responsive design.
- Implemented API error handling and optimized performance for faster load times.

E-Commerce Application

Full-Stack Development with React, MongoDB and Stripe

- Developed a full-stack e-commerce application with a Flask backend and React frontend.
- Implemented user authentication, shopping cart functionality, and payment integration using Stripe API.
- Designed a secure, scalable system using Node.js and optimized data management with MongoDB.

AI Mental Health App

Flutter, Firebase, AI integration

- Developed an AI-powered mental health app with features including a chat interface, therapy sessions, and a personalized learning page.
- Integrated Firebase for real-time database management and authentication.
- Focused on UI/UX design principles to ensure a user-friendly experience.

EDUCATION

Bachelor of Business Information Technology

Multimedia University of Kenya **Relevant**

Coursework:

- **Software Development** – Hands-on experience in coding, debugging, and application design.
- **Data Structures & Algorithms** – Proficient in optimizing code and problem-solving techniques.
- **Web Development** – Skilled in building responsive, user-friendly websites.
- **Database Systems** – Knowledgeable in SQL and database management.
- **Cybersecurity & Network Security** – Foundation in protecting systems from threats and managing secure networks.

SKILLS

Technical Skills:

- **Programming Languages:** Python, JavaScript, TypeScript, Dart, HTML, CSS.
- **Frameworks and Libraries:** React, Next.js, Node.js, Express.js, Flutter.
- **Database Technologies:** MySQL, MongoDB, Firebase.
- **Web Development:** WordPress, RESTful APIs, Responsive Design, UI/UX Design.
- **Mobile App Development:** Flutter, Android Studio, Firebase Integration.
- **Tools & Platforms:** Git, GitHub, Docker, Heroku, Vercel.
- **Security:** Web Application Security, Network Security, Secure Coding Practices.

Soft Skills:

- **Problem-Solving:** Skilled in breaking down complex problems and developing efficient solutions.
- **Communication:** Strong ability to articulate technical concepts and collaborate with clients and teams.
- **Adaptability:** Quick to learn and implement new technologies and frameworks.
- **Time Management:** Capable of prioritizing tasks and meeting deadlines.
- **Attention to Detail:** Committed to writing clean, well-documented, and maintainable code.

PROFESSIONAL DEVELOPMENT

- **CISSP Certification** – Simplilearn
Completed a comprehensive course on Certified Information Systems Security Professional (CISSP) covering key areas of cybersecurity, including risk management, cryptography, and secure software development.
- **Introduction to Data Analytics** – Simplilearn
Acquired foundational knowledge in data analysis, including statistical analysis, data visualization, and the use of tools like Excel and SQL for data manipulation and insights generation.
- **Fullstack Development 101** – Simplilearn
Gained a solid understanding of full-stack development, including both front-end and back-end technologies such as HTML, CSS, JavaScript, Node.js, and database management systems.
- **JavaScript Mastery Course** – JavaScript Mastery
Completed an extensive course on Next.js, Framer Motion, and Tailwind CSS for advanced front-end development.
- **Advanced Flask and Python Course**
Gained in-depth knowledge of Flask, RESTful APIs, and advanced Python concepts.