DEBORAH CHEROTICH BARASA

SOFTWARE DEVELOPER

CONTACT

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- GitHub
- Linkedin
- Portfolio

RELEVANT COURSES

Frontend Web Development
- HTML/CSS and JavaScript
- RESTful API Integration using Axios and fetch
- Web development using React.js, Next.js, Java, and Vaadin
- Backend development using Node.js and Express

Backend Development
- Manipulating Python datatypes and inbuilt data structures
- Django framework for server-side development
- Object Oriented Programming concepts in Python

Mobile Development
- Working with list collections
- Making network calls with Retrofit
- Object-oriented programming languages in Kotlin

UX Research
- Conducting Usability Testing
- Research Plans and Deliverables
- User Experience Research (UXR)

Product Management
- Product Ceremonies
- Prototypes and MVPs for Product testing
- Prioritization Frameworks and Techniques

Data and Software Architecture
- Algorithmic Problem Solving
- Databases and SQL
- Software Architecture and Design

UI/UX Design
- Creating wireframes, mockups, and prototypes for both web and mobile applications.
- Web and Mobile UI Design using Figma
- Graphic Design using Adobe Photoshop and Illustrator

ABOUT ME

Wearable technology has rapidly evolved from a niche gadget for fitness enthusiasts to a transformative tool in healthcare. With devices ranging from smartwatches to specialized health monitors, Deborah believes that they hold immense potential in revolutionizing how we track health metrics and engage with healthcare providers. Her goal is to contribute to the development of standardized, interoperable systems that ensure real-time, secure data exchange, thereby improving chronic disease management and enabling more accurate risk assessments.

EDUCATION

AkiraChix

codeHive - Diploma In Information Technology

February 2023 - December

SKILLS

- Skilled in using quantitative and qualitative methodologies such as surveys and interviews in UX research.
- Good understanding of Agile methodologies such as product backlog and prioritization of features.
- Knowledge of defining a clear product vision and strategy that aligns with business goals and market demands.
- Ability to write complex SQL queries to extract, manipulate, and analyze data from relational databases.
- Knowledge of relational database management systems such as PostgreSQL.
- Knowledge of using the Django framework to build scalable and secure server-side web applications.
- Strong understanding of Object-Oriented Programming (OOP) principles in both Java and Python.
- Skilled in building RESTFul APIS using Django Rest Framework.
- Good understanding of the Javascript frameworks and libraries such as React and Next JS to build scalable and high-performance applications.
- Skilled in integrating REST APIs in JavaScript using fetch & Axios
- Ability to implement various UI widgets such as RecyclerViews for layout management and ViewBinding to enhance UI components interaction.
- Ability to use design tools such as Figma, Sketch, and Adobe Illustrator for creating prototypes, wireframes, and visual designs.
- Well-versed in version control using Git.

PROJECTS

Digital Campaign App
A mobile application that enabled users to run awareness campaigns by posting videos, photos, and banners to engage audiences.
Campaign app- sizemug

Investika App
An interactive financial literacy platform that educates young individuals through gamified lessons and real-life simulations on money management, investment risks, and market trends.
https://github.com/Deborah-Cherotich/Vivosparks-Mobile.git

Talanta Web Platform
A career guidance website enabling students to explore career paths and access resources.
https://github.com/Deborah-Cherotich/Talanta-Admin

Campus Assignment Portal
Develop a platform that allows students to organize, track, and submit assignments efficiently..
https://campus-assignment-portal.vercel.app

REFERENCES

Linda Kamau
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Software Engineer, Vortex Solution
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