Jean de Dieu HAGENIMANA

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🔗 https://me.jdhagena.com

 jeandedieuH
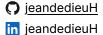
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Summary

Highly motivated and analytical professional transitioning from a successful 7-year career in Civil Engineering (Design & Drafting Management) to Software Development. Possessing a proven ability to rapidly master complex technical software and concepts, demonstrated through self-teaching advanced CAD programs (AutoCAD, Civil 3D, Revit) and subsequently building practical web and mobile applications from scratch. Passionate about leveraging technology to create scalable solutions and solve real-world problems, as evidenced by developing a functional e-learning platform and a comprehensive Bible study application. Seeking a challenging Software Developer role where I can contribute technical skills, a strong work ethic, and a unique problem-solving perspective gained from engineering.

Skills

Programming languages
HTML, CSS, JavaScript and Python
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Frontend Frameworks and Libraries
React, Vuejs, Nextjs and React native
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Backend Runtimes and Frameworks
Node.js, Django, Express, Nestjs
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Databases and ORM
Mongodb, Postgres and Prisma
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Tools and Technologies
VS Code, Git, Github, Docker, Vercel
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Development Practice
Responsive Design, API Integration, Agile/Scrum
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Artificial intelligence
Familiar with OpenAI, Gemini AI and Antropic Claude for chat and api integration
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Transferable Skills
Project Management, Problem Solving, Analytical Thinking, Self-Learning & Initiative, Attention to Detail, Technical Documentation, User-Centric Design Thinking
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Content Creation
Video editing (Davinci resolve), Graphic design and Audio editing
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Projects

Prestige Learning   February 2024 - September 2024

Multi-Instructor E-Learning Platform

🔗 https://prestigelearning.net

- Conceptualized, designed, and developed a comprehensive, multi-instructor e-learning platform enabling professionals to create, market, and deliver online courses.

- **Problem Solved:** Created a centralized hub for professional skill development, allowing experts to share knowledge and learners to access diverse training resources.

- **Key Features Implemented:**

  - **User Authentication & Authorization:** Secure login/registration system with distinct user roles (Student, Instructor, Admin).

  - **Course Creation & Management:** Enabled instructors to build courses, upload content (videos, documents), structure lessons, and set pricing.

  - **End-to-End Learning Workflow:** Features include course enrollment, progress tracking, content consumption, and automated certificate generation upon successful completion.

  - **E-commerce Functionality:** Integrated secure payment processing for course purchases with Flutterwave

  - **Promotions Engine:** Implemented system for creating and managing coupons and discounts to drive enrollments.

  - **User Dashboards:** Separate dashboards for students (enrolled courses, progress) and instructors (course management, earnings).

- **Technologies Used: Frontend: React/Nextjs; Backend: Node.js/Nextjs; Database: PostgreSQL; Payment API: Flutterwave; Cloud Services: Coolify for hosting; Appwrite for Storage and Auth**

- *Outcome:* Successfully launched a feature-rich, scalable e-learning platform demonstrating capability in full-stack development, implementing complex business logic, managing user roles and permissions, integrating third-party APIs (payments), and building a complete user lifecycle from registration to certification.

Kwiga Bibiliya   October 2022 - Present

A Feature-rich Bible Study App on web and mobile

🔗 https://kwigabibiliya.com

- Developed a full-featured Bible study application designed to enhance user engagement with scripture across web and mobile platforms.

- **Key Features:**

  - Multi-version Bible reading interface.

  - Functionality to save, copy, search, and share verses/chapters.

  - Advanced search capabilities and side-by-side verse comparison between versions.

  - Integrated video portal for accessing Bible topic presentations.

  - Section for reading related articles and literature.

- **Technologies Used: Frontend: React/Nextjs; Cross-platform:React Native; Backend: Node.js/Appwrite; Database: Appwrite ; API: fetch(bible); Platform: Web, Android/iOS**

- *Outcome:* Created a robust tool addressing a specific user need, honing skills in full-stack development, data management, cross-platform development, and user interface design for web and mobile.

Demo projects   October 2022 - February 2024

🔗 https://me.jdhagena.com

- There are many other projects that were build during learning,

- Projects were done using different technologies like nodejs, express, nestjs, vujs, nuxtjs, react native, django,

- Please check my portifolio for more,

Education

University of Rwanda   September 2013 - July 2017
Civil Engineering   Bachelor's degree in Science of Engineering

Self-Directed Learning   October 2022 - February 2024
Software Development   Online

Experience

KGM-Africa   February 2023-Present
Design Manager   Kigali

- Managed and coordinated design projects, ensuring adherence to specifications, timelines, and quality standards.

- Supervised and mentored drafting teams, fostering skill development and efficient workflows.

- Interfaced with clients/stakeholders to understand requirements and provide design solutions.

East African Power Ltd   April 2021 - Febuary 2022
Lead drafter   Kigali - Rwanda

- Led the production of complex technical drawings and models using AutoCAD, Civil 3D, and Revit.

- Implemented best practices and standards for drafting output.

East African Power Ltd   February 2019 - April 2021
Drafter   Kigali - Rwanda

- Produced accurate 2D and 3D CADD drawings and structural models based on engineering designs.

Marcelo Real Estate and Services   August 2018 - February 2019
Junior Structural Engineer   Kigali - Rwanda

- Assist in preparing structural calculations, drawings, and specifications

- Assist in identifying and resolving on-site structural issues

- Document site observations

- Prepare and modify structural drawings

Languages

English
Professional Working Proficiency
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Kinyarwanda
Native
●●●●●

French
Basic
●●○○○

Certifications

Professional Development Skills for the Digital Age   April 2025
Alx-Rwanda
🔗 https://savanna.alxafrica.com/certificates/9sc76RXHYn