

# COURAGE BEKA

## SOFTWARE ENGINEER

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i am a first-class honors (Cum Laude) Computer Science graduate with hands-on experience in software development and project management. Proficient in Python, django (REST Framework), JavaScript, I have developed and revamped websites, including for my co-founded company, Education Hub. My portfolio includes e-commerce platform, social network, demonstrating my ability to build efficient and scalable applications. I manage a freelance design side hustle, creating fliers, logos, and promotional materials, showcasing my creativity and client-focused approach. With a solid foundation in web development, database management, and business processes, I am eager to further grow as a software engineer and apply my skills to new challenges.

### EDUCATION

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#### Bachelor of Honors in Computer Sciences

2017

University of Venda

- Graduated Cum Laude
- Thesis on "Cloud-based Task Inventory for Students on Work Study: A University of Venda Case Study."

#### Bachelor of Science in Computer Sciences

2014 -2016

University of Venda

- Graduated

#### High School

2013

Northern Academy

- Matric (Grade 12)

### CERTIFICATES AND COURSES

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#### Business Intelligence

2019 - 2020

IT Academy

- These Microsoft SQL Server certifications focus on various aspects of database management and business intelligence. The 70-461 certification covers querying and data management, while 70-462 focuses on database administration and 70-463 addresses data warehousing. Additionally, 70-466 emphasizes data modeling and reporting, and 70-467 involves designing comprehensive Business Intelligence solutions using SQL Server.

#### Harvard CS50W

2023

Harvard Online

- Harvard's CS50W focuses on full-stack web development, covering Python's Django, HTML, CSS, JavaScript, SQL, and APIs. Its project-based approach builds practical skills in both front-end and back-end development, ideal for aspiring full-stack developers.

### EXPERIENCE

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#### IT Lead

2023

Education Hub

As the co-founder and developer of Education Hub, I have taken a lead role in building and managing the company's website. Initially developed using vanilla JavaScript, I am currently revamping the platform using Django REST framework to add more features and improve functionality. My responsibilities include ensuring the website's stability, implementing new features to enhance the user experience, and maintaining smooth back-end operations. This experience has deepened my knowledge of full-stack development, from front-end design to back-end server-side logic.

#### Administration and Procurement

2019 - Present

Perfect Structure

Responsible for invoicing, quotations, data capturing, payroll, and procurement. Managed office operations, coordinated meetings, and ensured smooth workflow. Developed strong organizational and multitasking abilities.

#### Freelance Designer

2022 - Present

Self Employed

Design fliers, logos, price lists, and invitations for various clients. Managed client relationships, timelines, and project revisions, delivering tailored designs that align with branding and marketing needs.

#### Tutor (Java)

2016

University of Venda

Tutored first-year students in Java programming, providing one-on-one support. Assisted with invigilation and data capturing for lecturers. Improved my ability to explain technical concepts clearly and effectively.

## TECHNICAL SKILLS

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I am proficient in **Python**, **JavaScript** (including **React**), and **Django (REST framework)**. My web development experience encompasses **HTML**, **CSS**, and **vanilla JavaScript**. I have a strong foundation in **database management**, with experience in **SQL** and data warehousing. Additionally, I am skilled in using **Git** for version control, and I have completed projects that showcase my ability to build and deploy applications. My technical skills are complemented by proficiency in **Microsoft Office** and basic **computer support**.

## PERSONAL PROJECTS

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### Projects

- Built a personal website using React.
- Completed projects including eCommerce, Mail, and Social Network applications as part of the CS50W course.

## HOBBIES

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In addition to my professional skills, I am passionate about exploring new technologies and continuous learning. I enjoy experimenting with different programming languages and frameworks, which fuels my curiosity and helps me stay updated with industry trends. I am also interested in graphic design, which complements my freelance design work. Outside of tech, I appreciate reading, problem-solving, and participating in tech communities to exchange ideas and knowledge.

## REFERENCES

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### Contact Details

- Mr. R. Beka – Director of Perfect Structure | +27 722961729
- Mr. N. Soganile – HOD, Computer Sciences at the University of Venda | +27 731300344
- Mr. M. Machache - Cofounder of Education Hub | +263 774627268