



SUMMARY

I am a Software Engineer and Researcher at the University of Johannesburg, specifically within the Johannesburg Business School. My expertise spans Software Engineering, database systems, web programming, Human-Computer Interaction, Research, Computer Networks, and Python programming. With a focus on designing robust software solutions and enhancing user experiences, I contribute valuable insights to academic discourse through thorough research. in the field of computer sciences.

SKILLS

- User Experience (UX) & User Interface (UI) design
- Proficiency in Figma
- Wireframe, Canva & Adobe XD
- Persona, Workflow, & Story Mapping
- Back-End Development
- Very fluent in database design
- Designing ER (Entity Relationship) diagram/ model
- Good knowledge of NoSQL databases
- Front-End Development
- Proficiency in the Use of VS Code,
- HTML, CSS, JavaScript, Python
- Git and Git Hub, Slack, Heroku
- Python Programming
- Project management Skills
- kanban board
- Knowledgeable in PMBOK
- Scrum Master
- Business processes
- Documentation, Flowcharts
- UML Diagrams (Activity diagram, Use case diagrams.

CERTIFICATIONS

- Merit Award.
- Academic Excellence Award
- Best Initial Degree Award.
- Greate Learn certificates
- Jira Project Management Certificate
- UX/UI design Certificate

PROFESSIONAL EXPERIENCE

Lead Software Engineer

Johannesburg Business School (University of Johannesburg) | 2024 - Present

- Spearhead project coordination within software development teams, ensuring seamless workflow and timely delivery.
- Lead coding and development efforts for software applications, contributing to both frontend and backend tasks.
- Facilitate effective communication channels between clients, product managers, designers, and development teams, fostering collaboration and alignment.

Software Engineer and Researcher

Johannesburg Business School (University of Johannesburg) | 2023 - 2023

- Conducted comprehensive UX/UI research to inform software design decisions.
- Led both frontend and backend development of mobile and web applications, utilizing a range of technologies.
- Conducted rigorous software testing
- Authored research articles based on software developed at the University of Johannesburg, contributing to academic discourse.

Software and Web Development for 4IR Intern

University of Johannesburg/Accenture | 2022 - 2022

- Designed user interfaces and user experiences for web and mobile applications, focusing on usability.
- Executed front-end and back-end coding tasks, ensuring smooth integration and functionality.
- Planned Projects using the Kanban Board.
- Conducted software testing.

PUBLICATIONS

Johannesburg Business School (University of Johannesburg)

I have co-authored the following research papers:

- Exploring the green economy – A systems thinking modeling approach: Published by Journal of Cleaner Production: Available on: <https://www.sciencedirect.com/science/article/pii/S0959652624000581>
- The digitalization of the ESG (Environmental, Social, Governance) Matrix. Published by CENTERIS 2024: available on google scholar: <https://www.sciencedirect.com/science/article/pii/S1877050924016806>

PROGRAMMING

- Johannesburg Business School(University of Johannesburg) Projects
- UJ Business School Website: I am responsible for the development of the University of Johannesburg Business School website of Case Studies and teaching notes for MBA (Master of Business Administration) students.
- CHIETA website: I designed and coded the front end of the CHIETA Learner management system. (the application is meant to help Tvet students under CHIETA to apply to different colleges using one form).
- CHIETA SDC websites: I am responsible for the development of the CHIETA SDC website designed to improve the learning experience of students by including quizzes and games on the SDC websites.
- <https://www.chieta.org.za/sdctoolkit/index.html>

TERTIARY EDUCATION

University of Cape Town

Master of Science in Information Technology 2023 - 2024

Major modules: Software engineering, Computer Networks, Human-Computer Interaction, databases (SQL), Research, and object-orientated programming in Python, Web programming. Average Grade: 79%

University of Johannesburg/ in Collaboration with Accenture.

Post-graduate Programme in 4IR technologies | 2022- 2022

Major Modules: Full stack web development (Passed with distinction), Engineering Business System (Passed with distinction), Agile Rapid Skills Acquisition, and 4IR technologies Bootcamp.

University of Mpumalanga

Bachelor of Development Studies Honours | 2020 - 2021

Major modules: Research, Macro Economics, Project Planning and Management, Environmental Planning and Management. Average Grade: 76 %

University of Mpumalanga

Bachelor of Development Studies | 2017- 2019

Major Modules: Microeconomics, macroeconomics, Project Management, Development studies, and research methods. Average Grade: 82 %

REFERENCES

- Upon Request