

---

# NTSHUXEKO MATHEBULA

---

Johannesburg, South Africa 2157 ♦ 063 531 7818 ♦ [ntshuxekom@ncmatpro.com](mailto:ntshuxekom@ncmatpro.com)

---

## WEBSITES, PORTFOLIOS, PROFILES

---

- [www.ncmatpro.com](http://www.ncmatpro.com)
- [www.linkedin.com/in/ntshuxeko-mathebula](https://www.linkedin.com/in/ntshuxeko-mathebula)
- <https://github.com/NtshuxieGitHub>

---

## PROFESSIONAL SUMMARY

---

Versatile and detail-oriented Full Stack Developer with ability to design, build and maintain end-to-end web applications. Experienced in developing both client- and server-side solutions and integrating AI systems. Adept at translating business requirements into technical solutions, implementing scalable architecture and enhancing user experiences through thoughtful design and functionality. Committed to writing clean, maintainable code, following best practices and collaborating within cross-functional teams to deliver high-quality software solutions.

---

## SKILLS

---

Python, JavaScript, HTML, CSS

MS SQL Server, MongoDB, MySQL

React, Next.js, Web Design

Firebase, Convex, Appwrite

Git, GitHub, SourceTree

Collaboration

Test-Driven Development

Proactive, Team Player, Communicator

Object-Oriented Programming

Problem-solving, Analytical thinking,

Node.js, Express

---

## WORK HISTORY

---

**Consultant – Software Engineering**, 02/2025 - Present

**Opti-Num Solutions** – Hybrid

- Liaised with customers, management, and sales team to better understand customer needs and recommend appropriate solutions.
- Evaluated client needs and expectations, establishing clear goals for each consulting engagement.
- Collaborated with cross-functional teams to successfully deliver comprehensive solutions for clients.
- Developed full stack application with database integration.

- Managed client relationships through regular check-ins and updates on project progress.

## **Junior Consultant - Software Engineering, 08/2023 - 01/2025**

### **Opti-Num Solutions – Hybrid**

- Assisted in the implementation of project plans to meet client goals and delivery timelines.
- Delivered tailored software solutions that improved client workflows and satisfaction.
- Designed and developed a responsive front-end application to enhance user experience and streamlined client operations.
- Build a full stack web application with database integration, enabling users to perform real-time operations and data management across the platform.
- Provided technical guidance and acted as a point of escalation, promoting collaboration and communication.

## **Graduate Software Engineer, 02/2023 - 07/2023**

### **Opti-Num Solutions – Johannesburg**

- Collaborated with cross-functional teams to ensure seamless integration of new features.
- Participated actively in agile development cycles, incorporating feedback effectively into subsequent iterations.
- Conducted regular code reviews to maintain high-quality standards across the team's output.
- Streamlined existing codebase, improving overall system efficiency and reliability.
- Developed user-friendly applications for improved end-user satisfaction.
- Engineered backend solution to power automated WhatsApp responses, enabling seamless user interaction and improved response efficiency.

---

## **PROJECTS**

---

### **Google Gemini Clone Application**

Developed a full stack Google Gemini clone application which allows users to type a prompt to the Google AI agent and receive a response. Responsive design, API integration, AI integration and real-time agent responses.

### **AI Image Generator Application**

Developed a full stack image generator application which allows users to type a prompt of the image they want to generate and get an image as a response. API integration, OpenAI integration, database integration with Mongo DB and Cloudinary.

### **AI Practice Interviewer Application**

Developing a full stack AI practice interviewer application that allows users to verbally communicate with a Google AI agent, responding to questions asked the structure of the interview and generating questions for users to practice with. API integration, AI integration, AI voice integration, database integration with Firebase.

## Real-time Current Weather Application

Developing a full stack real-time weather application that allows users to search a location and get real-time weather information of that location including forecast. API integration.

---

## EDUCATION

---

**BSC (HONOURS): ENGINEERING (METALLURGY AND MATERIALS), 12/2022**

**University of The Witwatersrand** - Braamfontein, Johannesburg

Completed rigorous program focused on properties and performance of materials with emphasis on metallurgy, materials science, and engineering applications. Gained analytical thinking, complex problem-solving, programming, interpersonal, time management and teamwork skills.

- Copper Production Plant, Mass and Energy Balances, Sizing and Pricing, Feasibility studies - Design Project
- Recover of Lead from Battery Recycling Plant, Grinding and acidic leaching tests and analysis - Research Project
- Sub Committee Member, Medhurst Hall
- Completed Coursework: Computing for Process Engineers, 2016
- Physical Chemistry distinction
- Recipient of Mathematics II, 2018

---

## HOBBIES AND INTERESTS

---

- AI, Web Development, Web Design, Mobile Application Development
- Unrivaled, NBA and WNBA

---

## PERSONAL INFORMATION

---

Title: Full-Stack Developer