Sello Makena

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LinkedIn: linkedin.com/in/sello-makena-74s

Junior Software Engineer with strong foundations in computer science, applied mathematics, and data engineering. Experienced in academic tutoring, production technical support at Amazon, and intensive software engineering training at WeThinkCode_. Passionate about building reliable, production-ready software systems and continuously improving engineering skills.

Professional Experience

WeThinkCode_ Mentor   **09/2025 - 12/2025**

• Mentored first-year students who had passed the bootcamp.
• Guided students through debugging, coding challenges, and advanced software engineering concepts.
• Supported development of problem-solving and technical skills in a structured learning environment.

WeThinkCode_   **05/2025 - 08/2025**
Bootcamp Technical Assistant

• Assisted bootcamp students with hardware/software challenges and debugging.
• Guided learners through core software engineering concepts.
• Developed mentoring and peer-support skills in a fast-paced technical environment

Amazon, Cape Town   **10/2019 - 06/2020**
Technical Support Engineer

• Provided technical support for customer-facing digital systems in high-volume production.
• Diagnosed and resolved software and system issues; analysed logs for root causes.
• Developed communication, documentation, and incident-handling skills under strict SLAs.

University Of Cape Town   **01/2019 - 07/2019**
Computer Science Tutor

• Tutored first-year students in Python and programming fundamentals.
• Assisted with debugging, problem-solving, and algorithmic thinking.

Education

WeThinkCode_   **09/2024 - 12/2025**
Software Engineering

• Software Engineer (Occupational Certificate, NQF Level 6) – WeThinkCode_
• Specialisation: Data Engineering

University of Cape Town   **03/2017 - 10/2019**
BSc Computer Science & Applied Mathematics (Coursework Completed)

Abraham Serote Secondary School   **01/2012 - 11/2016**
National Senior Certificate - Grade 12

Projects

Pocket Tutor AI   **10/2025**

• AI-powered learning platform using Next.js, React, TypeScript, Tailwind CSS, and Firebase.
• Role-based features, gamified challenges, and progress tracking.

Product Store   **08/2025 - 08/2025**

• Full-stack MERN e-commerce application with REST APIs and responsive frontend.
• MongoDB for persistent storage; modular, scalable project structure.

Key Skills

• Programming:Java, Python, JavaScript, TypeScript
• Software Engineering:Object-Oriented Programming, Data Structures & Algorithms, System Design,
   Debugging & Testing
• Data Engineering:SQL & NoSQL Databases,ETL Pipelines, Data Modelling, Batch & Stream Processing
• Web Development:MERN Stack, Next.js, Tailwind CSS
• Dev Ops:Git, CI/CD Pipelines, Docker, Linux
• Generative AI (foundational & applied use)

Interests

• Data Engineering & Scalable Systems
• Generative AI
• Software Architecture
• Open Source Development