Malusi Skunyana

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🌐 **Portfolio:** https://malusis.tech | 📒 **GitHub:** https://github.com/MalusiS

🌍 Cape Town, South Africa

Professional Summary

Certified Front End Developer transitioning from accounting, offering a unique blend of analytical precision and technical skill. Proven ability to build accessible (Lighthouse 100%), data-driven web applications using JavaScript, React, and Node.js. A dedicated and collaborative problem-solver, currently advancing to full-stack engineering via Harvard University's Computer Science for Web Programming.

Technical Skills

Front End Development: JavaScript (ES6+), React, Redux, D3.js, HTML5, CSS3, Sass, Bootstrap, Responsive Web Design.
Back End & Full Stack: Node.js, Python, SQL, REST APIs, JSON.
Testing & DevOps: Unit Testing, TDD, Git, GitHub, CI/CD (Netlify), Debugging, Pair Programming, Code Review, Accessibility.
Transferable Skills: Analytical Thinking, Problem Solving, Data Management, Financial Reconciliation, Project Management (Kanban).

Featured Technical Projects

Days Calendar Project (JavaScript, Node.js, TDD)
- Developed a Node.js script to generate a 20-year `days.ics` (iCal) file by parsing complex date rules (e.g., "second Tuesday of October").
- Wrote unit tests for the shared date-calculation utility to ensure date accuracy across decades.
- Implemented the jump-to-month/year UI controls on the front end.

TV Show Explorer App (JavaScript, Fetch API, CI/CD)
- Engineered multi-view navigation and state management to switch between a "Show Listing" and "Episode" view.
- Implemented asynchronous fetch logic with user-facing loading states and error handling, ensuring the API was called only once per resource.
- Built a free-text search feature to filter shows by name, genre, and summary.
- Set up the project's Netlify CI/CD pipeline for automatic deployment.

Spaced Repetition Tracker (JavaScript, HTML, TDD)
- Built the complete accessible form and implemented robust JavaScript input validation.
- Wrote complex date-calculation logic to generate a 6-step revision schedule (1 week, 1 month, 3 months, etc.).
- Contributed to the project's unit test suite to validate core logic functions.

Professional Experience

Mentor – Code Your Future (Intro to Digital Programme) | Remote | *July 2025 – Present*

- Mentor and support new trainees in their software development journey, focusing on core HTML, CSS, and JavaScript concepts.
- Guide trainees in building, testing, and deploying their first websites, fostering best practices in problem-solving and teamwork.

Owner / Manager – Self-Employed (Transportation Business) | Cape Town | *2021 – 2025*

- Managed all operational logistics, customer service, and scheduling for a transportation business.
- Oversaw all company finances, including bookkeeping and data management, demonstrating strong organizational skills.

Creditors Bookkeeper – QuickSILVA Burcon Plant Hire | Cape Town | *2019 – 2020*

- Maintained accurate creditors' books and performed complex data reconciliations.
- Demonstrated meticulous attention to detail and strong data-validation skills.

Creditors Clerk – Food Lovers Holdings | Cape Town | *2017 – 2019*

- Conducted monthly age analyses and reconciled trade vendor accounts, identifying and resolving discrepancies.

Education & Certifications

- **Computer Science for Web Programming** | *Harvard University* | In Progress
- **Introduction to Programming** | *Code Your Future* | 2025
- **Diploma in Coding & Technology** | *Upskillist* | 2024
- **freeCodeCamp Certifications** | *Responsive Web Design, JavaScript Algorithms & Data Structures, Front End Development Libraries, Data Visualization* | 2024
- **Web Design Certificate** | *University of Cape Town* | 2023
- **Bookkeeping Certificate** | *Boston College, Cape Town* | 2017