

DELANO MARTIN

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SUMMARY

Computer Science student with experience developing full-stack web applications, automating complex workflows, and architecting local-AI tools. Proficient in managing self-hosted infrastructure to deliver reliable, scalable solutions. Passionate about tackling real-world challenges through collaborative coding and problem-solving. Eager to join a consulting or engineering role where I can build, learn, and drive meaningful impact.

WORK EXPERIENCE

Software Developer Intern, LnP Beyond Legal

Feb 2025-Present

- Develop and automate internal workflows using PowerApps, Power Automate, and SharePoint to streamline legal operations.
- Implement Retrieval-Augmented Generation (RAG) methods using Ollama and Langchain to create local AI applications that assist in extracting and validating information from legal documents.
- Set up and maintain Nginx as a reverse proxy on Windows, handling multiple subdomains and port forwarding, with SSL enforcement for secure access. Use NSSM to manage multiple self-hosted internal applications and ensure reliable performance.
- Maintain and operate a self-hosted Gitea instance for Git source control, streamlining the deployment of applications. Set up Gitea Actions for CI/CD to automate and simplify the deployment process, ensuring efficient updates, consistent deployment, and seamless integration for the team.
- Collaborate with legal and technical team to align software solutions with business needs and regulatory requirements.
- **Web Servers(Nginx), Express.js, React, EJS(SSR), Git(Gitea), CI/CD, PowerApps and Power Automate, RAG, NSSM, REST API's , Self-hosting Applications, SSL, JWT**

Software Developer Intern, Wits University & Libex

Jan 2025-Feb 2025

- As part of the Wits Afretech Internship, I was assigned to Libex as a Software Developer Intern, where I collaborated with a team of developers to build web-based applications.
- **React, Express.js, Vercel**

Computer Science Academic Tutor, Wits University

Feb 2024-Nov 2024

- Tutored 200+ 1st and 2nd year Computer Science students in Data Structures and Algorithms, helping them build strong problem-solving skills and succeed academically.
- Earned commendations from both students and faculty for exceptional dedication, contributing to the overall success and academic growth of the students tutored.
- **Data Structures and Algorithms, Invigilation**

Tutor, TeachMe2

Jun 2022-Nov 2024

- Developed and implemented individualized physics and mathematics lesson plans and learning strategies for grades 10-12, tailored to each student's unique learning style and needs.
- Provided monthly feedback to guardians, maintaining a rating of 5/5 stars for effective exam preparation and curriculum support.
- **Tutoring, Communication**

EDUCATION

Bachelor of Science in Computer Science

Jan 2022-Jun 2025

University Of The Witwatersrand

- Double major in Computer Science and Computational Applications.

Prosperitus Secondary School

2021

National Senior Certificate with Distinction

- Outstanding results in Mathematics and Physics.

ADDITIONAL TRAINING & CERTIFICATIONS

McKinsey & Company Immersion Bootcamp 2024

October 2024

Selected Participant

Gained firsthand exposure to McKinsey's problem-solving approach through a selective, 3-day interactive workshop. Collaborated on a case study, applying consulting frameworks to a real-world scenario. Developed a strong foundation in management consulting methodologies and strategic analysis.

PROJECTS

DrawTurings

<https://drawturings.com>

- DrawTurings is a powerful Turing Machine Simulator that provides an intuitive platform for designing, editing, and simulating Turing machines.
- **JavaScript, HTML, CSS, Github Pages**

VOLUNTEERING

Web developer, Procurementor

Feb 2024-Present

- Collaborated with a team member to develop and maintain the Women In Procurement website for Procurementor, ensuring seamless functionality and user experience.
- **Wordpress**

ADDITIONAL INFORMATION

- **Technical Skills:** HTML, CSS, Javascript, React, Node.js, MongoDB, Git, Rest API's, Jest, Microsoft Azure, SEO, Google Firebase, Web Servers(Nginx), Express.js, EJS(SSR), CI/CD, PowerApps and Power Automate, RAG, NSSM , Self-hosting Applications, SSL, JWT, Wordpress
- **Other Skills:** Problem-solving, Communication, Team collaboration, Time management, Adaptability, Critical thinking, Project management, Agile methodology
- **Languages:** English, Afrikaans
- **Awards:** Wits University Entrance Scholarship, Huawei Bursary Award 2024, Special Invitation: WITS SEED 2024 AFRETEC Workshop, Wits vs UCT AWS Cloudathon 2024 - Best API Integration Winner