

NALEDI SANDAMELA

Vereeniging | Gauteng | 062 529 6925 | naledisandamela@gmail.com

Portfolio: <https://naledis-portfolio.netlify.app/>

GitHub: <https://github.com/seymourpublic>

EXPERIENCE

BI & Data Intern

EPPF | Bryanston, Gauteng

May 2024 – January 2025

- Designed & implemented RESTful APIs in Node.js for data integration, retrieval, and authentication, improving reporting turnaround times.
- Developed interactive dashboards for senior management using Power BI, improving data visibility and decision-making.
- Built and optimized data pipelines to streamline data processing for the company's data warehouse.

IT Intern

EPPF | Bryanston, Gauteng

Feb 2024 – May 2024

- Resolved 95% of technical issues within the first 24 hours, significantly reducing employee downtime and improving overall productivity.
- Provided timely and effective technical support, resulting in increased user satisfaction and a decrease in recurring issues.

Student Assistant

NWU | Potchefstroom, North-West

July 2021 – Dec 2021

- Provided mentorship & support to students, improving their understanding and application of C++.
- Assisted in grading and delivering feedback to enhance student performance.

EDUCATION

B.Sc. Honours Information Technology with Software Engineering

Eduvos | Potchefstroom, North-West

Feb 2023-Dec 2023

- **Golden Key International Honour Society Member:** Top 15% of the class
 - **Data Mining Project:** Analysed data to predict outcomes such as life expectancy and diabetes using Python.
 - **Job Board Web Application:** Built a job board for IT graduates using React, Node.js, MongoDB, and microservice architecture. Included features for posting and applying to job listings, utilizing JavaScript, Apache Kafka, MongoDB, and Swagger.

B.Sc. Information Technology

NWU | Potchefstroom, North-West

Feb 2019-Dec 2022

CERTIFICATIONS & TECHNICAL SKILLS

AWS Certified Cloud Practitioner

Apr 2025

Google Data Analytics Professional Certificate

July 2022

- **Programming:** Python, Java, C#, JavaScript, TypeScript
- **Frameworks & Libraries:** Node.js, Express.js, React, Flutter, .NET Core
- **Databases:** SQL, PostgreSQL, MongoDB, Firebase, SQLite
- **API Development:** RESTful APIs, Postman, Swagger, JWT Authentication
- **Cloud & DevOps:** AWS S3, Docker, Azure, Web Sockets
- **Tools & Version Control:** Git, GitHub, Jira, NetBeans, Power BI

PROJECTS

VersaBlog – Blogging Platform with Admin Dashboard

- Developed a **secure and scalable** API using **Node.js, Express.js, and MongoDB**.
- Dynamic Blog Frontend:
 - Visitors can browse published articles, search posts by keywords, and filter posts by categories and tags.
 - Content is dynamically fetched using GraphQL queries to ensure fast, real-time updates without full page reloads.
- Admin Dashboard:
 - Create, update, and delete blog posts
- GraphQL API Integration:
 - Both the blog frontend and the admin dashboard communicate with a custom-built GraphQL API, designed to efficiently fetch only the necessary data, minimizing bandwidth and maximizing performance.

Latch – Social Media Platform for CS and IT Graduates

- Designed and implemented a **microservices architecture** with **Node.js & Express.js**.
- Integrated **WebSockets for real-time messaging & notifications**.
- **Implemented JWT authentication** for secure user access.
- Utilized **AWS S3 for cloud storage** and **Swagger for API documentation**.

Web Scraper/ Python and data analysis

- Developed a **Python-based web scraper** to collect and store product prices from multiple websites.
 - Analyzed & visualized data to track pricing trends and fluctuations.
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