

# NELANI MALUKA

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## EDUCATION

Diploma in IT Systems Development (NQF 6) - CTU Training Solutions

2023 - 2025

## PROFESSIONAL EXPERIENCE

### Software Developer Intern

Nov 2024 - Aug 2025

Learnhall LLC

Remote

- Developed and maintained production-ready web applications using ReactJS, HTML, CSS, and JavaScript, delivering user-facing features such as dynamic forms, Q&A modules, and countdown components.
- Collaborated with team members through peer reviews and technical discussions, incorporating feedback to deliver consistent, maintainable, and high-quality code.
- Used Git and GitHub for version control, creating feature branches, resolving merge conflicts, and participating in pull request reviews.
- Collaborated with cross-functional teams and non-technical team members to translate requirements into working solutions and adapt to changing specifications.

## PROJECTS

### AI Recipe Generator | [Live Demo](#) | [Source Code](#)

Java | Spring Boot

- Built a Java Spring Boot REST API that generates personalized recipe suggestions based on user preferences and dietary data.
- Secured the platform using JWT, Google OAuth 2.0, and role-based access control, preventing unauthorized access and protecting user data.
- Designed and optimized SQL database schemas and queries to store user preferences, ingredients, and dietary profiles efficiently.

### Blog Land | [Live Demo](#) | [Source Code](#)

Java | Spring Boot | ReactJS

- Developed a full-stack blogging platform with Java, Spring Boot, TypeScript, React, and MySQL, enabling users to create, comment, and manage posts.
- Implemented Hibernate/JPA for efficient data persistence and applied Object Oriented Programming (OOP) principles, preventing data inconsistencies and ensuring reliable storage and retrieval of all user posts and comments.
- Integrated AI-driven content moderation to automatically filter inappropriate content, improving platform safety and user experience.

### Caching Proxy | [Source Code](#)

Java | Maven

- Built a Java-based caching proxy service with configurable eviction policies, reducing redundant API calls and ensuring faster, smoother responses for clients.
- Implemented automatic content-type detection for JSON, images, PDFs, and binaries, making the API more reliable and preventing crashes caused by unexpected content types.
- Added async requests, retry mechanisms, and logging, making the API more reliable and resilient under failures, and allowing uninterrupted service for users.

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## CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900)
  - Microsoft Technology Associate (MTA): Programming Fundamentals (Python, HTML, CSS, JavaScript)
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## TECHNICAL SKILLS

Languages: Java, Python, C#, HTML, CSS, JavaScript

Developer Tools: Postman, Git, Azure, Docker

Libraries/Frameworks: Spring Boot, ReactJS, MySQL, PostgreSQL, .Net

Other: Communication, Teamwork