

NALEDI KHOTLE

CURRICULUM VITAE

Aspiring Software Developer | Java Developer | Full-Stack Web Developer

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PROFESSIONAL PROFILE

Motivated and ambitious final-year Information Technology student with a strong foundation in software engineering, object-oriented programming, database development, and modern web technologies. Founder of **Khotle IT Solutions**, where I design and develop responsive business websites and digital solutions for clients.

Experienced in building Java desktop applications, designing relational databases with MySQL, and developing responsive websites using HTML and CSS. Passionate about creating practical software solutions that solve real-world problems while continuously learning emerging technologies and industry best practices.

Seeking an internship, graduate programme, or junior software developer role where I can contribute technical skills, grow professionally, and build scalable software solutions.

CORE COMPETENCIES

Programming Languages

- Java
- C++
- HTML5
- CSS3
- SQL

Software Development

- Object-Oriented Programming (OOP)
- Data Structures & Algorithms
- Software Development Life Cycle (SDLC)
- System Analysis & Design
- Debugging & Testing
- Exception Handling

Database Technologies

- MySQL
- JDBC
- Database Design
- CRUD Operations
- SQL Queries

Web Development

- Responsive Web Design
- Website Development
- User Interface Design
- Website Deployment

Development Tools

- NetBeans IDE

- Visual Studio Code
- XAMPP
- Git
- GitHub

Professional Skills

- Problem Solving
- Critical Thinking
- Leadership
- Communication
- Team Collaboration
- Time Management
- Adaptability
- Attention to Detail

EDUCATION

National N Diploma in Information Technology (*Final Year*)

Gauteng City College

Relevant Coursework

- Java Programming
- C++ Programming
- Web Development (HTML5 & CSS3)
- Object-Oriented Programming (OOP)
- Database Management Systems (DBMS)
- System Analysis and Design (SAD)
- Software Engineering
- Computer Architecture
- Operating Systems
- Data Structures and Algorithms
- Human-Computer Interaction (HCI)
- Information Systems

TECHNICAL PROJECTS

Banking Management System

Technologies: Java, MySQL, JDBC

Designed and developed a secure banking management application that enables users to manage customer accounts and perform essential banking transactions. The system was built using Object-Oriented Programming (OOP) principles and integrated with a MySQL database using JDBC for reliable data storage and retrieval.

Key Features:

- Secure customer account registration and management.
- User authentication and login functionality.
- Deposit and withdrawal transactions with balance validation.
- Funds transfer between customer accounts.
- Real-time balance enquiry and account information display.
- Transaction history management using a MySQL database.
- Input validation and exception handling to improve system reliability.
- Modular architecture using reusable classes and methods for maintainability.

Skills Demonstrated:

- Java Programming
- Object-Oriented Programming (OOP)
- JDBC Database Connectivity
- MySQL Database Management
- CRUD Operations
- Exception Handling
- Problem Solving
- Software Design and Development

Banking Management System

Technologies: C++

Designed and developed a console-based banking management system using C++ to simulate core banking operations. Applied object-oriented programming concepts to create a secure and efficient application for managing customer accounts and financial transactions.

Key Features:

- Customer account creation and management.
- Secure account login using account number and PIN.
- Deposit and withdrawal transactions with balance validation.
- Fund transfers between customer accounts.
- Balance enquiry and account details display.
- Transaction history using file handling for persistent data storage.
- Input validation and exception handling to improve reliability and prevent invalid transactions.
- Menu-driven interface for easy navigation and user interaction.

Skills Demonstrated:

- C++ Programming
- Object-Oriented Programming (OOP)
- Classes and Objects
- Encapsulation
- Inheritance
- Polymorphism
- File Handling
- Functions and Modular Programming
- Exception Handling
- Data Structures
- Problem Solving

- Software Design and Development

Barbershop Website Development

Technologies: HTML5, CSS3, JavaScript

Designed and developed a modern, responsive website for a barbershop to strengthen its online presence and provide customers with easy access to information and services. The website was created with a clean, professional interface that reflects the brand's identity while delivering a seamless user experience across desktop, tablet, and mobile devices.

Key Features:

- Responsive design optimized for all screen sizes.
- Modern homepage showcasing the barbershop's brand and services.
- Services page displaying haircut, beard grooming, shaving, and styling options.
- Gallery featuring completed hairstyles and the shop's environment.
- Contact page with location details, business hours, phone number, and inquiry form.
- Navigation menu for quick and intuitive access to all pages.
- Customer call-to-action buttons encouraging appointment bookings and inquiries.
- Consistent branding through typography, colors, and imagery.
- Clean, semantic HTML5 and CSS3 code following web development best practices.
- Optimized website performance to improve loading speed and user experience.

Skills Demonstrated:

- Front-End Web Development
- Responsive Web Design
- User Interface (UI) Design
- User Experience (UX) Principles
- Website Layout and Navigation
- Cross-Browser Compatibility
- Problem Solving and Attention to Detail

PROFESSIONAL EXPERIENCE

Founder & Web Developer

Khotle IT Solutions

- Develop professional websites tailored to client requirements.
- Gather client requirements and translate them into functional website designs.
- Design responsive interfaces for desktop and mobile users.
- Provide website maintenance, updates, and technical support.
- Build long-term relationships with clients through reliable service delivery.

ACHIEVEMENTS

- Founded Khotle IT Solutions while completing my Information Technology studies.
- Developed multiple software and web development projects.
- Continuously expanding my expertise in Java software development and database systems.
- Building a portfolio focused on real-world business solutions.

CAREER OBJECTIVE

To secure a Software Developer or Full-Stack Developer position where I can apply my knowledge of Java, databases, and web development to create innovative software solutions while growing into a highly skilled software engineer.

LANGUAGES

- English
- Sesotho
- isiZulu (*if applicable*)

REFERENCES

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