

MOGAMMAD SUHAIL ALLIE

Full Stack Developer | Final-Year Software Development Student

• Java • C# • JavaScript • Kotlin • ASP .NET Core MVC

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Strandfontein, Cape Town

Portfolio: [MSA Developer Portfolio](#)

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PROFESSIONAL PROFILE

Final-year Diploma in Information Technology (Software Development) student with practical experience designing, developing, and maintaining full-stack applications through freelance, academic, and collaborative projects. Skilled in frontend development using HTML, CSS, and JavaScript, backend development with C#, ASP.NET Core MVC, PHP, and Kotlin, and database technologies including SQL Server, MySQL, and Oracle. Experienced in building responsive web applications, database-driven systems, and mobile applications while applying software engineering principles, object-oriented programming, debugging, and user-centred design. Passionate about developing scalable, reliable software solutions and continuously expanding my technical knowledge within collaborative development environments.

TECHNICAL SKILLS

Programming Languages:

Java, C#, Kotlin, SQL, JavaScript, ASP.NET Core MVC, REST APIs, PHP

Databases:

Microsoft SQL Server, Oracle Database, MySQL, phpMyAdmin, Database Design, SQL Queries, Stored Procedures, Relational Database Concepts

Frontend & Backend Technologies

HTML5, CSS3, JavaScript (ES6), Responsive Web Design, Interactive User Interfaces, CSS Flexbox, UI/UX Principles, Cross-Browser Compatibility, ASP.NET Core MVC, Performance Optimisation, Semantic HTML, CSS Grid, Responsive Layouts, Accessibility, CRUD Operations, MVC Architecture

Development Tools & Version Control

GitHub, Git, Visual Studio 2022, Visual Studio Code, Android Studio, IntelliJ IDEA, NetBeans, XAMPP, Figma

Software Development:

Object-Oriented Programming (OOP), Systems Analysis & Design, Software Testing & Debugging, Requirements Analysis, UI/UX Fundamentals, Agile Team Collaboration, Database Design, Web Application Development, Mobile Application Development, Problem Solving, Debugging, Version Control

EXPERIENCE

Contract Monthly Claim System (CMCS) | C#, ASP.NET Core MVC | SQL Server | MVC Architecture

Developed a secure database-driven lecturer claim management system using C#, ASP.NET Core MVC, and SQL Server. Implemented authentication, claim workflows, document uploads, relational database integration, and role-based functionality while applying object-oriented programming, MVC architecture, and software engineering principles.

Pastimes Clothing Marketplace | PHP | MySQL | phpMyAdmin | XAMPP

Developed a full-stack online clothing marketplace using PHP, MySQL, phpMyAdmin, XAMPP, HTML, CSS, and JavaScript. Implemented user authentication, product management, CRUD functionality, relational database integration, and e-commerce features while strengthening backend development, database management, and frontend implementation skills.

BudgetBuddy – Budget Tracking Mobile Application (Team Lead) | Kotlin | Android Studio | SQLite/Room Database

Led a team of five students in developing a budgeting application using Kotlin and Android Studio. Contributed to application architecture, Room database integration, expense management functionality, and collaborative software development while strengthening leadership and project coordination skills.

Freelance Web Developer | Digital Web Solutions | Cape Town June 2025 – Present

- Design, develop, and maintain custom full-stack web applications and responsive websites using HTML, CSS, JavaScript, PHP, SQL, and modern development practices.
- Gather business requirements from clients and translate them into scalable, maintainable software solutions that balance functionality, usability, and performance.
- Develop responsive frontend interfaces alongside backend functionality, database integration, and interactive features to deliver complete web solutions.
- Troubleshoot and resolve frontend, backend, and database issues by identifying root causes, testing solutions, and improving application performance and reliability.
- Apply software engineering principles, structured problem-solving, debugging techniques, and version control throughout the software development lifecycle.
- Communicate directly with clients throughout planning, development, testing, deployment, and ongoing maintenance while delivering high-quality software solutions.

Advanced Database Projects | SQL Server | MySQL | Oracle Database

Designed and implemented multiple relational database solutions using SQL, MySQL, and Oracle Database. Applied database normalisation, stored procedures, data validation, and complex SQL queries to solve business-focused database challenges.

KEY SOFTWARE DEVELOPMENT PROJECTS

Project-Based Software Developer | Academic & Personal Projects | Cape Town

- Designed and developed a fully custom-coded portfolio website using HTML, CSS, and JavaScript to showcase software development projects and technical skills. Implemented responsive layouts, reusable UI components, smooth animations, interactive user interfaces, and modern front-end design principles to deliver a fast, engaging user experience.
- Custom software solutions that translated business requirements into scalable, maintainable applications using modern development practices.
- Applied software development principles, object-oriented programming, systems analysis, and database design to deliver practical, real-world solutions.
- Developed projects using Java, C#, Kotlin, SQL, HTML, CSS, JavaScript, ASP.NET Core MVC, Oracle, MySQL, and Microsoft SQL Server.
- Used GitHub, Visual Studio, Android Studio, IntelliJ IDEA, NetBeans, and Figma throughout the software development lifecycle, including planning, development, testing, debugging, and documentation.
- Collaborated on team-based software projects, contributing to planning, solution design, task coordination, and successful project delivery while gaining experience working in structured development environments.

Personal Portfolio Website | HTML5 | CSS3 | JavaScript | Responsive Design | UI/UX

Designed and developed a fully custom portfolio website using HTML, CSS, and JavaScript to showcase software development projects and technical capabilities. Implemented reusable UI components, responsive layouts, interactive animations, and modern frontend development practices.

Client Management & Project Tracking System (Team Lead) | Systems Analysis & Design | Figma | UI/UX Design

Led the planning and design of a comprehensive Client Management & Project Tracking System using Figma. Developed system architecture, user workflows, dashboards, authentication, reporting functionality, and project management features while applying systems analysis and software engineering methodologies.

Digital Web Solutions Business Website | HTML5 | CSS3 | JavaScript | Responsive Design | SEO

Designed, developed, and continue to maintain the Digital Web Solutions business website, delivering complete web solutions from frontend design through implementation, optimisation, and ongoing maintenance. Applied responsive design, user-centred development, SEO principles, and interactive functionality while working directly with clients to deliver business-focused solutions.

Other Development Projects | GitHub

GitHub contains additional coursework, software development exercises, and web development projects completed using Java, C#, Kotlin, SQL, HTML, CSS, and JavaScript.

RELEVANT COURSEWORK

- Applied Programming
 - Software Quality & Testing
 - Work Integrated Learning (Software Development)
 - Open Source Coding
 - Programming 1A
 - Programming 2A (Java)
 - Programming 2B (C#)
- Systems Analysis & Design
 - Information Security
 - Web Development
 - Advanced Database
 - Introduction to Database
 - IT Project Management
 - Human Computer Interaction
 - Operating Systems
 - IT Professional Practice

EDUCATION

Rosebank College

Diploma in Information Technology (Software Development)

2024 – Present (Final Year)

Final-year student with practical experience in software development, database systems, web development, mobile application development, and systems analysis through academic and team-based projects.

South Peninsula High School

National Senior Certificate (NSC)

Graduated: 2023

LANGUAGES

English – Native Proficiency
Afrikaans – Conversational Proficiency

REFERENCES

Professional and academic references are available upon request.