

ROLVA MASHALE

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[My Website](#)

SUMMARY

Aspiring iOS Mobile Developer with a solid foundation in Computer Science and Statistics, experienced in designing and implementing iOS applications using Swift, UIKit, SwiftUI, and cloud services like Microsoft Azure. Passionate about creating user-friendly, scalable applications and leveraging machine learning models for app enhancement. Proven ability to work effectively in agile environments and collaborate with cross-functional teams.

EXPERIENCE

May 2024 to Current

Cloud Computing Trainee

Zensar Technologies - Johannesburg, South Africa

- Worked hands-on with cloud technologies such as Microsoft Azure and AWS to deploy and manage scalable cloud-based applications.
- Assisted in building automated workflows using CI/CD pipelines, optimizing development efficiency for cloud services.
- Gained experience with Azure App Services, Functions, and data storage solutions, contributing to cloud migration projects.

**September 2023 to
March 2024**

iOS Software Developer

ABSA BANK - Johannesburg, South Africa

- Contributed to the development of key iOS banking app features, enhancing the user interface and ensuring seamless functionality across devices.
- Collaborated with cross-functional teams to troubleshoot and resolve performance issues, resulting in improved app stability.
- Supported the implementation of secure coding practices, ensuring compliance with industry standards.
- Worked with Swift and UIKit to deliver high-quality, scalable solutions within the banking app.

**April 2023 to
September 2023**

Junior iOS Software Developer

Shaper - Johannesburg, South Africa

- Designed and developed user-friendly iOS applications using Swift, Core Data, and RESTful APIs, contributing to the release of multiple updates.
- Collaborated closely with senior developers and product teams to ensure the delivery of high-performance, intuitive mobile applications.
- Conducted testing, debugging, and optimization to improve app performance and ensure smooth functionality across various iOS devices.
- Gained practical experience in using Git for version control and continuous integration (CI) for automated testing and deployment.

2022

Python Developer (Training)

Zero to Mastery Academy

- Acquired comprehensive skills in Python programming, data manipulation, and automation through hands-on projects.

- Built and deployed Python-based applications, gaining proficiency in data analysis and web development.
- Strengthened version control skills with Git, collaborating on code with peers and maintaining clean, efficient codebases.

SKILLS

- **Programming Languages:** Swift, Objective-C, Python, Java, SQL, JavaScript, HTML, CSS
- **Mobile Development:** Advanced iOS Development, Windows Mobile Development, Cross-Platform Development (Flutter, React Native)
- **Frameworks & Tools:** UIKit, SwiftUI, Core Data, Core Animation, ARKit, MVC, MVVM, RESTful APIs, CI/CD (Fastlane, Jenkins), Git, Microsoft Azure
- **Version Control:** Expert in Git (branching, merging, rebasing, conflict resolution), GitHub for collaboration (pull requests, code reviews, issue tracking), Git workflows (Gitflow, Feature Branching)
- **Integrated Development Environments (IDEs):** Xcode (Proficient), Interface Builder, Simulator, Debugging Tools, Performance Tuning with Instruments
- **Apple Ecosystem:** Comprehensive MacBook usage, macOS, Terminal commands, Homebrew, and system optimization for development
- **Data Science & Machine Learning:**
 1. **Libraries:** Proficient in Python libraries such as NumPy, pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras
 2. **Machine Learning:** Experience with supervised and unsupervised learning, model selection, training and evaluation, data preprocessing, and feature engineering
 3. **Data Analysis:** Statistical analysis, data
- **Cloud Services:**
 - **Microsoft Azure:** Proficient in Azure App Services, Azure Functions, Azure SQL Database, Azure Blob Storage, Azure Key Vault, and Azure Machine Learning
- **Microsoft Office Packages:** Proficient in Microsoft Word, Excel, PowerPoint, Access, Outlook, and Teams
- **OOP Principles, Domain-Driven Design (DDD), Unit Testing (XCTest, Quick/Nimble), Automated UI Testing (XCUITest), Performance Profiling (Instruments)**
- **Data Management:** Core Data, Realm, SQLite, JSON, XML Parsing
- **Security:** Secure Coding Practices, Keychain Services, OAuth 2.0, SSL/TLS, Encryption (AES, RSA)
- **Other:** Agile Development, SDLC, DevOps, Build and Dependency Management (CocoaPods, Carthage, SPM), UX/UI Design, Accessibility Standards (VoiceOver, Dynamic Type)
- **Soft Skills:** Strong analytical and problem-solving abilities, effective communication, proactive and accountable work ethic, leadership and team collaboration, adaptability in fast-paced environments

visualization, exploratory data analysis (EDA)

4. **AI Integration:** Applying machine learning models in mobile applications, leveraging Core ML for iOS

EDUCATION

January 2023 to
Current

Bachelor of Science Honours: Computer science
University of South Africa

January 2019 to
December 2021

Bachelor of Science in Mathematical Sciences: Computer Science and Statistics
University of Limpopo

CERTIFICATIONS

- Design Patterns in Swift, Udemy
- Level up in Auto Layout - Swift and iOS, Udemy
- MVVM Design Using Swift in iOS, Udemy
- Git Going Fast : One Hour Git Crash Course, Udemy
- Clean Code, Udemy
- Complete Python Developer 2023: Zero to Mastery, Udemy
- The Data Science Course 2022: Complete Data Science BootCamp, Udemy
- SQL, Data Camp
- Machine Learning, Coursera

ACHIEVEMENTS

- Achieved Distinctions in Artificial Intelligence and Introduction to Database Systems.
- Led a class as prefect, increasing group study participation from 5 to 18 students.
- Formed part of afternoon tutorial sessions with other students called Potential Driven Students(PDS).

LEADERSHIP EXPERIENCE

Final year Computer Science project leader

University of Limpopo

January 2021 - October 2021

Led a team of students to complete a final year project, earning top marks for presentations under my supervision.

GOALS

- To achieve my set goals and keep myself dynamic in the changing scenario to become a senior iOS software developer.
- To become an excellent iOS Developer Specialist, taking on challenging work in the industrial structure with creative and diversified projects, and to be part of a constructive and fast-growing world.
- To make a position for myself in the competitive corporate world and contribute to achieving the goals on both professional and personal levels.
- To work in an environment that challenges me to improve and constantly strive for perfection in all the tasks allotted to me so that I can showcase my technical knowledge and skills.