

ROLVA MASHALE

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SUMMARY

Rolva is a Python Developer with a solid foundation in Computer Science and Statistics, experienced in designing and implementing backend systems and web applications using Python, Django, Flask, and cloud services like Microsoft Azure. Passionate about building scalable, efficient, and maintainable software solutions, and leveraging data science and machine learning models to enhance functionality. Proven ability to work effectively in agile environments and collaborate with cross-functional teams to deliver high-quality solutions.

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**

Software Developer

ABSA BANK - Johannesburg, South Africa

- Developed key backend features for banking applications, optimizing performance and ensuring seamless functionality.
- Collaborated with cross-functional teams to troubleshoot and resolve performance issues, improving system stability.
- Implemented secure coding practices to ensure compliance with industry standards.

**April 2023 to
September 2023**

Software Developer

Shaper - Johannesburg, South Africa

- Designed and developed user-friendly web applications using Python, Django, and RESTful APIs, contributing to multiple project releases.
- Collaborated closely with senior developers and product teams to deliver high-performance, scalable web solutions.
- Conducted testing, debugging, and optimization to improve application performance and ensure smooth functionality.
- 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, backend development, and web development using Flask.

- Strengthened version control skills with Git, collaborating on code with peers and maintaining clean, efficient codebases.

SKILLS

- **Programming Languages:** Python, Java, SQL, JavaScript, HTML, CSS
- **Web Development:** Backend development with Python (Django, Flask), front-end integration (HTML, CSS, JavaScript), RESTful APIs
- **Frameworks & Tools:** Django, Flask, SQLAlchemy, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow
- **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):** PyCharm, Visual Studio Code, Jupyter Notebook
- **Cloud Services:** Microsoft Azure, AWS (S3, EC2, Lambda), Azure App Services, Azure Functions, Docker, Kubernetes
- **Data Science & Machine Learning:** Proficient in Python libraries such as Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow
- **Database Management:** PostgreSQL, MySQL, SQLite, MongoDB
- **CI/CD:** Jenkins, GitLab CI, Docker, Kubernetes
- **Security:** Secure Coding Practices, OAuth 2.0, SSL/TLS, Encryption (AES, RSA)
- **Other:** Agile Development (Scrum), SDLC, DevOps, Continuous Integration/Continuous Deployment (CI/CD), API Development, Test-Driven Development (TDD), OOP Principles
- **Soft Skills:** Strong analytical and problem-solving abilities, effective communication, proactive and accountable work ethic, leadership and team collaboration, adaptability in fast-paced environments

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

- 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 software developer.
- To become an excellent Python 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.