

Melody Shayanewako

Full-Stack Web & Mobile Developer

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Harare, Zimbabwe

Available Immediately

PROFESSIONAL SUMMARY

Results-driven Full-Stack Developer with 2+ years of experience building scalable web and mobile applications using Django, React, React-Native, and modern JavaScript frameworks. Proven track record of deploying production-ready applications, implementing RESTful APIs, real-time features, and payment integrations. Expertise in database optimization, containerization with Docker, and performance enhancement through caching strategies. Passionate about creating user-centric solutions with clean, maintainable code and SEO-optimized architectures.

TECHNICAL SKILLS

- **Frontend Development:** HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, React-Native, Expo, Responsive Design, SEO Optimization
- **Backend Development:** Python, Django, Flask, RESTful APIs, Node.js, PHP, Asynchronous Task Processing (Celery, RabbitMQ)
- **Databases & Caching:** PostgreSQL, MySQL, SQLite, Redis, Memcached, Database Optimization, Query Performance Tuning
- **DevOps & Tools:** Docker, Git, GitHub, Linux, CI/CD Pipelines, Render Deployment, WordPress, CMS Platforms
- **Data Science & Analytics:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Machine Learning, Data Visualization
- **Integration & APIs:** Stripe Payment Gateway, RevenueCat/Google Play, PayNow SDK, Social Authentication (Google, Facebook, Twitter), n8n Automation, WhatsApp Chatbots
- **Development Practices:** Agile Methodologies, Test-Driven Development, Code Reviews, Documentation, Performance Optimization

EDUCATION

Bachelor's Degree - Computer Science

Open Source Society University (OSSU)

Comprehensive curriculum covering algorithms, data structures, databases, software engineering, and web development

Harare,

Zimbabwe

(Online)

**June 2021 -
August 2023**

PROFESSIONAL PROJECTS

CupidXXX - Cross-Platform Dating Mobile Application | [LIVE ON PLAYSTORE](#)

May 2025 - Present

- Engineered and launched a full-featured cross-platform dating application using React-Native and Expo, serving 1,000+ active users with 4.2+ star rating on Google Play Store
- Architected real-time messaging system with push notifications, user matching algorithms, and geolocation-based discovery features, resulting in 75% user engagement rate
- Implemented secure authentication, profile verification, photo moderation, and in-app payment system for premium features, generating consistent revenue stream
- Optimized app performance achieving 60 FPS rendering and reduced bundle size by 40% through code-splitting and lazy loading techniques

Zim-Rentals - Property Rental Platform | [DEPLOYED](#)

October 2024 - January 2025

- Developed and deployed a production-grade property rental marketplace using Django and PostgreSQL, connecting property owners with renters across Zimbabwe
- Built comprehensive search and filtering system with advanced queries, geolocation mapping, and image galleries, improving property discovery by 60%
- Dockerized the entire application for seamless deployment and scaling, reducing deployment time from 2 hours to 15 minutes
- Integrated secure payment processing, automated email notifications, and booking management system, capable of processing 100+ transactions monthly
- Implemented SEO best practices and meta tag optimization, achieving 200% increase in organic search traffic within 3 months

ZEU - Interactive E-Learning Platform | [GITHUB](#)

June 2025 - August 2025

- Architected a scalable e-learning platform using Django and JavaScript, capable of supporting 2,000+ students and 50+ courses with custom CMS for content management
- Engineered robust caching strategy using Redis and Memcached, reducing page load times by 70% and improving database query performance by 85%
- Developed RESTful API with token-based authentication, enabling third-party integrations and mobile app connectivity
- Implemented real-time chat functionality using WebSockets, capable of facilitating 5,000+ instructor-student interactions monthly
- Containerized multi-service architecture with Docker Compose, streamlining development workflow and enabling horizontal scaling

Full-Featured E-Commerce Platform | [GITHUB](#)

April 2024 - September 2024

- Built enterprise-level online shop with Django, integrating Stripe payment gateway for secure transactions and processing \$10,000+ in test transactions
- Configured Celery with RabbitMQ as message broker for asynchronous task processing, sending 1,000+ automated customer notifications daily
- Developed intelligent product recommendation engine using Redis and collaborative filtering, increasing cross-sell conversions by 35%
- Implemented dynamic coupon system, multi-currency support, and internationalization with Django-parler and Rosetta, expanding market reach to 5+ countries

- Optimized database queries and implemented aggressive caching, handling 500+ concurrent users with 99.9% uptime

IQ Test Platform - Online Assessment System | [DEPLOYED](#) September 2023 - January 2024

- Engineered comprehensive online IQ testing platform with Django, administering industry-standard assessments to users globally
- Implemented multi-provider social authentication (Google, Facebook, Twitter) using OAuth 2.0, achieving 80% faster user onboarding
- Integrated payment gateway for test credits and premium features, generating automated PDF certificates with digital signatures
- Developed advanced analytics dashboard displaying user performance metrics, percentile rankings, and detailed score breakdowns

ADDITIONAL EXPERIENCE

WhatsApp Business Automation | [DEPLOYED](#)

Developed custom WhatsApp chatbots using pure python and the flask framework, handling 100+ customer inquiries daily, n8n workflow automation, and integrating with external APIs for enhanced functionality

WordPress Development

Created multiple WordPress websites for clients, from e-commerce stores, forex trading platforms, to personal blogs

Machine Learning Projects

Built ML models for volatility forecasting, bankruptcy prediction, and air quality prediction using Python, Scikit-Learn, and TensorFlow

PROFESSIONAL CERTIFICATIONS

Applied Data Science | WorldQuant University | [CERTIFICATE](#)

December 2024

- Mastered end-to-end data science pipeline including data gathering, cleaning, exploratory analysis, and model deployment
- Built production ML models for volatility forecasting, bankruptcy prediction, and air quality prediction with 85%+ accuracy
- Gained expertise in statistical analysis, data visualization, and communicating insights to non-technical stakeholders

Web Programming with Python and JavaScript | Harvard University (CS50W) | [CERTIFICATE](#)

March 2024

- Achieved proficiency in full-stack web development using Django, Flask, React, SQL, and modern JavaScript (ES6+)
- Developed 6 production-grade web applications including social networks, e-commerce sites, and real-time collaboration tools

Programming in Python | Harvard University (CS50P) | [CERTIFICATE](#)

February 2024

- Mastered Python programming fundamentals including OOP, functional programming, data structures, and algorithms

- Developed strong problem-solving skills through 50+ coding challenges and real-world projects

Introduction to Cybersecurity | Harvard University | **CERTIFICATE**

January 2024

- Gained comprehensive knowledge of cybersecurity principles, threat modeling, and secure coding practices
- Implemented security best practices in web applications including input validation, SQL injection prevention, and XSS protection

KEY STRENGTHS

- ✓ Full-Stack Development (Frontend & Backend)
 - ✓ Database Design & Optimization
 - ✓ RESTful API Development
 - ✓ Mobile App Development (Cross-Platform)
- ✓ Performance Optimization & Caching
 - ✓ Payment Gateway Integration
 - ✓ SEO & Website Optimization
 - ✓ Agile Development & Team Collaboration