

## Scovia Katusabe

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## Professional Summary

Results-driven Software Developer with demonstrated expertise in full-stack development, specializing in Python and modern web technologies. Proven track record of delivering scalable applications using industry-standard methodologies and best practices. Strong focus on clean code, test-driven development, and continuous integration/deployment practices. Experience in Agile environments with an emphasis on cross-functional collaboration and efficient problem-solving.

## Technical Skills

- Programming Languages: Python (Django), JavaScript, PHP(basics),Laravel(basics ),TypeScript, Node.js,
- Frontend Technologies: React.js, HTML5, CSS3
- Backend & Databases:Django, Node.js/Express.js, NestJS, PostgreSQL, MongoDB, SQLite
- DevOps & Tools: Docker, GitHub Actions (CI/CD), Git, Postman
- Cloud Services: AWS exposure, MongoDB Cloud
- Testing: Unit Testing, Test-Driven Development (TDD), API Testing
- Methodologies: Agile (Scrum, Kanban), Lean
- Design Tools: Figma
- Deployment Platform: Vercel, Netlify, Render, Python Anywhere, and GitHub
- ERP Systems: Odoo

## Soft Skills

- Team collaboration
- Customer service
- Effective communication
- Problem-solving
- Adaptability
- Quick learning ability
- Critical thinking

## Professional Experience

**Software Developer Intern | Clarke International University**(September 2024 - December 2024)

- Led backend development of an Online Examination System using Typescript and NestJS
- Implemented secure authentication and real-time proctoring features

- Designed using React and optimized PostgreSQL database schema for improved performance
- Created RESTful APIs with comprehensive documentation
- Established CI/CD pipeline using GitHub Actions for automated testing and deployment
- Collaborated with cross-functional teams in an Agile environment
- Achieved a 40% reduction in system response time through code optimization

## Projects

### 1. Online Examination Monitoring System

Full Stack Developer | Sept 2024 - Dec 2024

- Architected and developed a scalable examination system using Node.js, NestJS, and React
- Implemented robust security features including user authentication and data encryption
- Designed and optimized PostgreSQL database for handling concurrent user sessions
- Created comprehensive API documentation and testing suites
- Integrated real-time proctoring features and a student notification system
- Implemented admin dashboard for student account management
- Technologies: Node.js, NestJS, TypeScript, Prisma ORM, React, Git, Trello, Postman, Figma

### 2. Daystar Daycare Management System

Full Stack Developer | Mar 2024 - May 2024

- Developed a comprehensive management system using Python/Django
- Designed and implemented baby and sitter registration modules
- Created an automated attendance tracking system
- Built integrated billing module for streamlined payment processing
- Implemented thorough testing procedures using Postman
- Established CI/CD pipeline with GitHub Actions
- Technologies: Python, Django, HTML, CSS, JavaScript, SQL Server

### 3. Pharmacy Management System

Full Stack Developer | May 2024

- Developed a complete inventory management system with real-time stock tracking
- Implemented expense and income tracking features
- Created an automated financial reporting system
- Built a secure authentication system
- Integrated comprehensive testing using Postman
- Technologies: Python, Django, HTML, CSS, JavaScript, SQL Server

### 4. E-commerce Management System

Backend Developer | June 2024

- Developed robust product management modules
- Implemented a secure order processing system
- Integrated payment gateway for smooth transactions
- Created user authentication and authorization system
- Conducted thorough API testing using Postman
- Technologies: Python, Django, HTML, CSS, JavaScript, SQL Server

## 5. **Personal Finance Management System** | (Live: [Website](#))

Full Stack Developer | July 2024

- Created an intuitive dashboard for financial tracking
- Implemented full CRUD functionality for financial records
- Integrated data visualization for financial trends
- Established CI/CD pipeline using GitHub Actions
- Built scalable backend with cloud database integration
- Technologies: Node.js, MongoDB (cloud), React, Git, Postman

## 6. **MusicApp Management System**

Full Stack Developer | June 2024

- Integrated Spotify API and YouTube Data API v3
- Developed dynamic search functionality with multiple filtering options
- Created responsive audio and video playback interface
- Implemented secure user authentication
- Utilized Agile methodology with Trello for task management
- Technologies: Django (Python), Spotify API, YouTube Data API v3, HTML, CSS, JavaScript

## **Education**

- Advanced Certificate in Software Engineering | Refactory Academy | July 2024 - Dec 2024
- Certificate in Software Engineering with Python | Refactory Academy | Feb 2024 - July 2024
- Uganda Advanced Certificate of Education | Wampeewo Ntakke Secondary School | 2021 - 2022
- Uganda Certificate of Education | Treasure High School | 2016 - 2019

## **Certifications**

- Scientific Computing with Python | FreeCodeCamp
- Certificate in Javascript Programming | Alison

## **References**

1. Ms. Laura Kyongo | Partnerships and Placement-Lead-Groundbreaker Talents  
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2. Mr. Precious Mugenyi | Manager - Elegant Interiors  
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