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Personal Statement

Computer Science graduate from Karatina University, currently working full-time as a **Full Stack Developer at Wessex Pharmaceuticals Limited**, where I transitioned from an internship into a developer role after contributing to impactful projects. Skilled in **Python, Django, databases, Power BI, and cloud technologies**, with additional experience in **AI, machine learning, and data analytics**.

At Wessex Pharmaceuticals Limited, I developed a **Power BI Portal with secure embedding, role-based access, and Gemini API integration**, and built a **dynamic organizational chart** for non-technical staff. These projects gave me hands-on experience delivering **enterprise-ready, scalable solutions** that improve efficiency and save costs.

Beyond my professional role, I have built **personal projects** including **web-based ordering systems, automation tools, and felixmokayabeatz.com**, an e-commerce platform for my musical ideas. This unique mix of **technical expertise and creativity** reflects my passion for designing clean, innovative, and user-focused applications.

I stay current with modern frameworks and best practices, and I'm ready to contribute my **problem-solving skills, adaptability, and fresh perspective** to forward-thinking development teams.

Skills
Programming & Technical Skills
- **Programming Languages:** Python (Advanced), Java (Intermediate), C++ (Intermediate)
- **Backend & APIs:** FastAPI, Django REST Framework, and Django
- **Web Development:** Django, HTML, CSS, JavaScript (React intermediate)
- **Database Management:** PostgreSQL, MySQL — schema design, optimization, data analysis
- **Version Control & Collaboration:** Git, GitHub (Advanced)
- **Data Visualization & BI:** Power BI (reports integration, API automation, dashboards)

- **UI Development:** PyQt for Python-based GUI applications
- **AI & Machine Learning:** Natural Language Processing (NLP), predictive analytics, model development, and deployment

- **Deployment Tools**
  - Virtual Private Server (VPS) management
  - Docker (containerization & orchestration)
  - Nginx (reverse proxy, load balancing)
  - Gunicorn (WSGI application server for Django apps)
  - CI/CD pipelines (GitHub Actions)
  - Cloud deployment: PythonAnywhere, AWS (basic)
- **Other Tools:** Power BI, Microsoft Excel, Word, PowerPoint

Server Management
- Experienced in configuring and maintaining Ubuntu Server environments (e.g., deploying Django apps, managing services, using SSH)
- Skilled in managing Windows Server (user accounts, file permissions, networking setup)
- Familiar with web hosting, domain linking, and basic firewall/security configurations
- Comfortable using command-line tools for troubleshooting and system monitoring

Creative Technology & Music
- Digital Audio Workstations (FL Studio, Ableton Live) – beat production, mixing, and mastering
- Sound Design – creating custom sound libraries and instrumentals
- E-commerce Development – built and maintain felixmokayabeatz.com to distribute music online
- Audio-to-Tech Integration – experience in automating workflows (e.g., beat previews, metadata tagging)
- Branding & Content – created multimedia content to promote digital products

Software & Tools
- Office & Reporting: Microsoft Office Suite (Word, Excel, PowerPoint), Power BI (Reports & Dashboards)
- Web Development & Frameworks: Django, REST APIs, PostgreSQL/MySQL
- Deployment & DevOps: Docker, Docker Compose, Ubuntu Server, Microsoft Azure
- Version Control & Collaboration: Git, GitHub
- Development Environments: VS Code, Windows, Ubuntu
- Creative Tools: FL Studio, Ableton Live (music production & integration for web platforms), Wondershare Filmora, and Adobe Premiere Pro (Video Editing)

Professional Skills

- Problem Solving: Skilled at analyzing complex problems and delivering creative, tech-driven solutions (e.g., combining Django + Power BI + Gemini API for scalable analytics).
- Communication: Effective in translating technical concepts into simple language for non-technical users (e.g., training staff on using digital Organogram and Power BI portal).
- Teamwork & Collaboration: Worked with cross-functional teams (IT, business, and creative fields) to build practical solutions.
- Learning Agility: Quick to adopt new tools and frameworks; self-taught Docker, Azure, and music-tech integrations.`
- Creativity & Innovation: Blend of music production and software development, showing unique ability to design user-friendly and engaging digital products.
- Entrepreneurial Mindset: Experience building and monetizing a personal platform (felixmokayabeatz.com), combining development, design, and business strategy.
- Attention to Detail: Strong focus on clean code, user experience, and scalable architectures.

Education

2021 August -2025 October

Karatina University, Karatina, Nyeri County - *Bachelor of Science in Computer Science.*

Relevant coursework: Programming Languages, Artificial Intelligence, and Machine Learning.

Programming Languages: Python, C++, JavaScript.

Proficient in database management with hands-on experience in PostgreSQL, MySQL, and MongoDB. Skilled in designing, implementing, and optimizing database schemas, performing data analysis and manipulation, and troubleshooting database-related issues. I have completed multiple projects using PostgreSQL, MySQL, and MongoDB.

2016 - 2020

Ong'icha Secondary School, Kisii - *Kenya Certificate Of Secondary*

Education (KCSE)

Mean grade (B-) Minus

2005 - 2016

Maagonga Primary School, Kisii - *Kenya Certificate of Primary*

Education(KCPE)

(B-) Minus (333/500 Marks)

Experience

Industrial Attachment

IT Intern/Attachment – Wessex Pharmaceutical Limited, Nairobi
May 2024 – August 2024 (3 Months)

- Responsible for starting the development of the WessexPharmaceutical App, handling programming, and planning its core features
- Provided IT support to staff across departments.
- Maintained and updated internal databases and data backups.
- Assisted in computer hardware/software troubleshooting and repairs.
- Participated in routine system backups and basic networking tasks.
- Documented technical processes and user support logs
- Registered and recorded staff information, provided tablets and laptops, and ensured they were set up and ready for use.

Full-Time Role - Full Stack Developer

Full Time Developer(Full Stack) – Wessex Pharmaceutical Limited, Nairobi
August 2025 – Present

- Developed a **centralized Power BI Portal** using **Django** to securely embed and display reports via Power BI REST API, giving employees seamless access to dashboards while reducing licensing costs.
- Built a **dynamic digital organizational chart (Organogram)** that enables non-technical staff to easily add and remove employees.
- Implemented **role-based access control (RBAC)** and **Row-Level Security (RLS)** for Power BI reports and dashboards, ensuring secure and personalized data access.
- Delivered a **scalable, cloud-ready solution** by integrating **Python (Django), Power BI, and Microsoft Azure** for enterprise-grade embedded analytics.
- **Integrated the Gemini API** into the portal to provide simple AI-powered data analysis, enabling employees to generate insights beyond static reports.
- Enabled access to Power BI embedded reports for users by building secure backends and

APIs using **FastAPI, Django REST Framework, and Django**.

Key Achievements

1. **Developed and deployed a Power BI Portal** that enabled employees to access interactive reports via the web, reducing organizational costs on individual licenses.
2. **Integrated Microsoft Power BI REST API into a Django web application**, enabling secure embedding of reports and role-based access to dashboards.
3. **Designed and implemented a digital organizational chart (Organogram)**, simplifying employee management for non-technical staff.
4. **Integrated Google Gemini API** into the Power BI portal, providing simple AI-powered data analysis for end users.
5. **Delivered a scalable, cloud-ready embedded analytics solution** by combining Django, Power BI, and Azure technologies.
6. **Built a machine learning recommendation system** (books & movies) and created **offline executables** for functionality without internet connectivity.
7. **Automated repetitive workflows** with Python scripts (e.g., bulk file deletion by extension), improving efficiency.

Source codes and executables are available upon request - See GitHub link above.