**Patrick Main**a

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**Location:** Kenya

**Professional Summary**

Experienced Django Developer with over 7 years of expertise in designing and developing high-performance, scalable web applications and APIs using Django and Django REST Framework (DRF). Skilled in Docker, containerized deployments, and microservices architecture, with over 3 years of hands-on experience.

Adept at delivering robust backend solutions, leading teams, and collaborating in agile, remote environments. Passionate about leveraging cutting-edge technologies to solve real-world problems effectively and efficiently.

**Technical Skills**

**Programming Languages:** Python, JavaScript, Go, SQL, Bash

**Frameworks & Tools:** Django, Django REST Framework (DRF), Flask, Celery, Redis

**Frontend Technologies:** HTML5, CSS3, Bootstrap, React.js, Vue.js

**Database Systems:** PostgreSQL, MySQL, MongoDB, SQLite

**DevOps & Deployment:** Docker, Docker Compose, Kubernetes, Nginx, Gunicorn, AWS, Azure, CI/CD pipelines

**Version Control:** Git, GitHub, GitLab, Bitbucket

**Other Skills:** RESTful API design, Microservices, Unit Testing, Agile/Scrum, Team Leadership

**Professional Experience**

**Senior Django Developer** *Codlara, Nairobi, Kenya* *July 2019 – Present*

Built and maintained scalable web applications and APIs for various clients.

Designed microservices architectures and implemented containerized solutions using Docker.

Led a team of developers to deliver projects on time while mentoring junior developers.

Created REST APIs to integrate with third-party services, ensuring high performance and reliability.

Implemented CI/CD pipelines to streamline the deployment process.

**Backend Developer** *Freelance Projects, Remote* *June 2017 – June 2019*

Worked on multiple freelance projects, including e-commerce platforms, logistics systems, and social apps.

Developed and deployed RESTful APIs for client applications using Django and Flask.

Set up Dockerized environments for development, testing, and production deployments.

Designed scalable database schemas and optimized SQL queries for high performance.

**Junior Software Engineer** *TechSavvy Solutions, Nairobi, Kenya* *January 2016 – May 2017*

Assisted in building custom web applications for small to medium-sized businesses.

Wrote clean and maintainable code in Python and JavaScript.

Collaborated with senior developers to troubleshoot and resolve technical challenges.

**Internship - Software Developer** *Smart Innovations, Nairobi, Kenya* *January 2015 – December 2015*

Contributed to the development of internal tools using Django.

Gained experience in writing unit tests and debugging applications.

Participated in team meetings to understand software development workflows.

**Education**

**Kenya Methodist University** *Bachelor of Science in Computer Science* *January 2012 – December 2015*

**Projects**

**TradeCoinSwap** (2024)

Developed a secure crypto P2P platform for seamless peer-to-peer trading.

Designed user authentication, trading operations, and wallet management REST APIs.

Utilized Docker for containerized deployments, improving scalability.

**FoodApp** (2024)

Created a food ordering platform connecting customers with eateries.

Built the backend using Django and DRF, integrated with a Next.js frontend.

Deployed on AWS with Docker for a scalable and reliable solution.

**Music Request System** (2023)

Built a real-time music request and tipping system for DJs and club users.

Integrated real-time notifications using Socket.io and Django Channels.

Developed an intuitive interface for DJs to manage requests efficiently.

**E-Commerce Platform** (2018)

Developed a full-fledged e-commerce application with multi-vendor support.

Implemented features like product catalogs, payment integration, and order tracking.

Used PostgreSQL for the database and Docker for deployment.

**Logistics Management System** (2017)

Built a logistics management system for tracking shipments and managing deliveries.

Designed an API for real-time tracking of goods via GPS.

Integrated SMS notifications for updates and alerts.

**School Management System** (2015)

Created a comprehensive system for managing students, staff, and classes.

Features included attendance tracking, grading systems, and fee management.

Deployed on a local server for use in schools across Nairobi.

**Certifications**

Docker Certified Associate (DCA) – March 2023

Advanced Python Programming – June 2022

REST API Design with Django – September 2021

AWS Solutions Architect Associate – December 2020

**Personal Attributes**

Strong problem-solving skills with keen attention to detail.

Excellent communication and team collaboration abilities.

Self-motivated, adaptable, and always eager to learn new technologies.