AKAN AMOR SUNDAY

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Welcome To Akan's CV!

My name is Akan Sunday, a skilled backend developer with expertise in Django & Django-RestFramework. I specialize in building scalable backend systems, managing version control with Git, and working with both relational and NoSQL databases. With a strong focus on CI/CD and GitHub workflows, I streamline   development processes to deliver efficient and reliable software solutions.

Overview

- Technologies: Proficient in Python, Django, SimpleJWT, Git, and React for efficient and modern development workflows.
- Databases: Experienced with both relational databases (PostgreSQL, MySQL) and NoSQL databases (MongoDB), ensuring robust data management.
- Version Control: Expertise in Git, enabling effective collaboration and streamlined code management in complex projects.
- Development Tools: Skilled in CI/CD pipelines, GitHub workflows, and automated testing, ensuring reliable and high-quality software delivery.
- Editor/IDE: Efficient in using VScode with customized configurations for enhanced productivity.

Education

Lagos State University, BSc in Physics & Education   Jan 2017 – (2022)
- **Coursework:** Quantum Mechanics & Relativity

Experience

Backend Engineer, Capstone Scholarship   February 2025 – Present
- **Role:** Sole backend engineer responsible for database architecture and managing entity relationships.
- Designed and implemented database schemas using Django ORM for PostgreSQL, managing models for scholarships, applicants, and application workflows.
- Developed secure RESTful APIs with Django REST Framework to handle CRUD operations for scholarship listings, user profiles, and application submissions.
- Configured user authentication and authorization using SimpleJWT and DRFW's TokenAuthentication, enabling role-based access for admins and applicants.
- Enforced granular permissions to restrict access, ensuring only authorized users could manage scholarships or submit applications.
- Secured APIs with HTTPS, rate limiting, and input sanitization to protect against SQL injection and other vulnerabilities.
- Maintained system reliability through logging, error tracking (e.g., Sentry), and automated database backups, ensuring scalability and uptime.

React Developer, Compre Pharmaceuticals   Sept 2024 – December 2025
- **Role:** Junior frontend Developer for a pharmaceutical company.
- Built reusable React components (e.g., modals, tables) to streamline development and enhance maintainability of UI elements.
- Implemented client-side form validation in React for prescription submissions, improving user experience and data accuracy.
- Optimized frontend performance by minimizing re-renders with React hooks (e.g., useMemo, useCallback) and lazy loading components.
- Styled components with CSS, leveraging Tailwind CSS and custom styles to ensure consistent, professional branding across the platform.

- Customized UI for mobile responsiveness using CSS media queries and flexbox/grid layouts to support diverse devices.
- Built dynamic dashboards and search features using React hooks and conditional rendering, improving navigation efficiency by 40%.
- Maintained code quality with version control (Git) and conducted UI testing with tools like Jest to ensure reliable functionality.

Projects

Growthsphere   github.com/amorgrace/growthsphere
- **Developed a custom Django user model using email as the primary login field, replacing the default username-based authentication for a more modern user experience.
- **Integrated JWT-based login and logout flows using dj-rest-auth and SimpleJWT, providing stateless authentication and secure token handling.
- **Built a dedicated Finances API to manage and retrieve user-specific data including total deposits, profits, and dynamically calculated balances.
- **Designed a crypto transaction system that supports deposits and withdrawals across multiple networks like BTC, ETH, AVAX, and MATIC with status tracking.
- **Customized the Django admin interface using **Unfold**, allowing better organization of models, cleaner UI, inlines for related data, and improved admin workflows.
- Integrated Swagger/OpenAPI documentation with JWT Bearer token authentication, allowing seamless testing and interaction with protected endpoints.
- Handled user-uploaded media files such as ID documents using Pillow and Cloudinary, ensuring scalability and optimized image delivery.
- Enabled secure cross-origin communication between the frontend (React) and backend (Django) through proper configuration of CORS headers.
- Implemented a health check endpoint monitored by UptimeRobot, ensuring that Render-hosted deployments remain online and responsive.

AvaxTrade   github.com/amorgrace/avaxbacklog

- **Used Django REST Framework to build modular and reusable API endpoints, enabling scalable and maintainable backend architecture.
- **Structured the backend using Django best practices: apps separation, custom user management, and layered architecture.
- **Applied filtering, ordering, and search in admin and API views to support better usability and data access patterns.
- **Designed and maintained RESTful APIs with Django REST Framework, following industry standards for authentication, serialization, and pagination.
- **Developed custom admin interfaces for streamlined data management, using ModelAdmin, inlines, filters, and search capabilities.
- **Utilized class-based views (CBVs) and function-based views (FBVs) to build flexible and readable view logic.
- Created and enforced data validation rules at both the serializer and model levels to ensure data integrity.
- Applied role-based access control (RBAC) and fine-grained permission classes in DRF for secure endpoint exposure.
- Followed version control best practices with Git, including branching strategy, commit conventions, and code reviews.

Additional Experience And Awards

LASU-Coding Fest Finalist (2021): Developed Products with Django backend.
The LASU TechX conference - Conference Invitee