KENNEDY BERNARD

Full-Stack Developer | Django & React Specialist

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Summary

Full-Stack Software Engineer with hands-on experience in Python Django, React.js, and RESTful API development. Proven track record in building scalable web applications with efficient data management and responsive design. Experienced in collaborative development, testing frameworks, and modern deployment practices. Passionate about creating robust, user-friendly digital solutions with clean, maintainable code.

Technical Skills

Backend Development

- Python: Django, Flask (learning), Django REST Framework
- API Development: RESTful APIs, JWT authentication, API integration
- Databases: PostgreSQL, MySQL, SQL optimization
- Caching & Storage: Redis implementation, experience with cloud storage solutions
- Task Management: Background job processing, automated systems

Frontend Development

- JavaScript Frameworks: React.js, Redux state management, Next.js

- UI Libraries: Ant Design (familiar), responsive design principles

- Core Technologies: HTML5, CSS3, modern JavaScript (ES6+)

- Build Tools: Webpack, NPM, modern development workflows

Development Tools & Practices

- Version Control: Git, GitHub (code review, collaborative development)

- Testing: Jest, automated testing, unit testing, 90% code coverage experience

- Development Practices: Agile methodologies, code reviews, debugging

- Performance: Application optimization, cross-browser compatibility

Infrastructure & Deployment

- Containerization: Docker (learning), cloud-native development concepts

- CI/CD: Experience with automated deployment pipelines

- Monitoring: Application performance monitoring, diagnostic testing

Professional Experience

Software Developer | VAP Technologies Limited

July 2024 – Present

- Develop and maintain web-based solutions using modern frameworks, focusing on scalable architecture

- Build custom web interfaces with React.js for real-time data visualization and reporting

- Implement responsive design ensuring optimal performance across various devices and platforms

- Collaborate in code reviews and contribute to development process improvements

- Troubleshoot and resolve complex technical issues, providing technical support to clients

- Work with ERP system integrations, gaining experience in enterprise-level data management

Junior Web Developer | Zummit Africa

March 2023 – July 2023

- Collaborated with development teams to deliver end-to-end web solutions for clients

- Updated and maintained applications to improve performance and user experience

- Developed static and dynamic sites using HTML, CSS, and JavaScript

- Gained practical experience in React.js state management with Redux

- Participated in agile development processes and team collaboration

Key Projects

Hotel Management System

- Backend: Developed RESTful APIs with secure authentication using JWT tokens
- Frontend: Built responsive interface with React.js and Redux for seamless user experience
- Payment Integration: Implemented secure payment gateway (M-Pesa/PayPal) for real-time transactions
- Automation: Created automated email notification system for improved customer communication
- Testing: Achieved 90% code coverage using Jest testing framework

News Article Webpage

- API Integration: Leveraged News API for dynamic content aggregation from multiple sources
- Performance: Implemented Redis caching, significantly reducing API response time
- Search Functionality: Built advanced search using Elasticsearch for efficient content filtering
- Deployment: Successfully deployed with focus on accessibility and high performance

Zummit Africa Webpage

- API Development: Developed RESTful API integration for enrollment system

- State Management: Utilized React.js and Redux with instant form validation and error handling

- Security: Engineered secure authentication system with JWT implementation

- Quality Assurance: Implemented comprehensive testing suite with high code coverage

Education

Certificate in Software Development | Moringa School

October 2021 – April 2022

- Intensive full-stack development program with focus on modern web technologies

- Collaborative group projects enhancing teamwork and problem-solving skills

- Training in version control systems (Git) and agile development methodologies

Kenya Certificate of Secondary Education | Tututha Secondary School

January 2017 – April 2021

- Strong foundation in computer science and information technology

- Active participation in computer club, developing early programming interest

Additional Qualifications

Frameworks & Libraries

- Django: Web application development, ORM, admin interface

- Django REST Framework: API development, serialization, authentication

- React.js: Component-based architecture, hooks, state management

- Redux: Application state management, middleware

Development Practices

- Testing: Unit testing, integration testing, test-driven development

- Security: Data protection measures, secure authentication, input validation

- Performance: Application optimization, efficient database queries, caching strategies

- Collaboration: Code review processes, pair programming, agile workflows

Professional Development Goals

- Expanding expertise in Apache Airflow for data workflow management

- Learning container orchestration with Kubernetes and Docker

- Gaining experience with MinIO object storage and advanced caching strategies

- Developing skills in Jenkins for CI/CD pipeline implementation

References

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