Andrew Rono – Full Stack Developer | Software Engineer | Innovation-Driven Technologist

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Professional Summary

I have worked as a professional Full Stack Developer and Blockchain Enthusiast through four years of hands-on experience in software solutions design and development and optimization activities. My competency extends across React and Vue.js development and also includes Django and Laravel framework use which allows me to create secure application systems that optimize performance together with user-friendly design.

Blockchain technology stands as my main focus area because I possess deep enthusiasm for working with smart contracts alongside DApps and Web3 systems. The application experience I gained working with Solana, Solidity and Ethereum lets me engineer digital solutions which are both secure and transparent while maintaining trustless operation.

I devote my time to open-source projects and coding challenges while actively contributing to their development and remained updated on industrial developments by continuously sharpening my skills. Success in my work environment depends on combining innovative power with efficient operational design because I function best in collaborative environments that promote invention.

Education

Multimedia University of Kenya

Bachelor of Software Engineering (2020 – 2024)

Graduated with Second Class Honors (Upper Division).

Specialized in full-stack development, mastering frontend, backend, and database management.

I developed web applications of diverse scales through my proficiency with React, Nextjs and Vue.js as well as Django, Nodejs and Laravel technologies.

My role in software development projects involved work with APIs along with cloud platforms and database performance improvement activities.

I participated in studying blockchain technology as a hobbyist to gain understanding about smart contracts and decentralized applications (DApps) functions.

Kabarnet High School

Kenya Certificate of Secondary Education (KCSE) (2016 – 2019)

Achieved an impressive A- (Minus).

Excelled in mathematics and sciences, enhancing logical reasoning and problem-solving skills.

Consistently ranked among the top-performing students, demonstrating strong capabilities, also among top perfoming students in Mogotio sub-county and Baringo county entirely during KCSE 2019 results.

Actively participated in STEM competitions and coding events, developing a keen interest in software development and emerging technologies.

Technical Skills

My technical competence enables me to build full-stack applications utilizing modern technology for design development and deployment.

Programming Languages

Python, PHP, JavaScript, Solidity

Frontend Development

React.js, Vue.js, HTML, CSS

Backend Development

Django, Laravel, Django REST Framework

Blockchain Development

Ethereum Smart Contracts, Solidity, Web3.js, Solana

Database Management

PostgreSQL, MySQL, MongoDB, Apache Cassandra

Tools & Technologies

Git & GitHub, Docker, RESTful APIs, Agile Development, IPFS

Through my expertise I develop applications with secure implementation of version control systems that combine API development with decentralized storage to provide scalable high-performance solutions.

Professional Experience

Software Engineer – VortexCraft Software Limited (May 2023 – Aug 2023)

I worked as Software Engineer for the period of May 2023 to August 2023 at VortexCraft Software Limited. Through leadership at VortexCraft Software Limited I developed high-performing web applications which provided users with a smooth experience and improved operational performance. The team built full-stack applications through React combined with Django which led to performance enhancement. The application now detects page load times at reduced rates which improves SEO rankings and user interaction quality. I performed testing to confirm the software operates without glitches on various web browsers and supports different mobile and desktop systems.

Web Development Intern – UpTechWorld (May 2022 – Aug 2022)

My internship at UpTechWorld as Web Development Intern took place between May 2022 and Aug 2022. My work at UpTechWorld involved creating dynamic frontend components alongside backend interconnection tasks during my internship period. I designed new web features which resulted in a 15% improvement of website functionality. The optimization of website performance led to improved loading times by 20% through code optimization methods. Together with other developers I treated frontend and backend problems to resolve issues which enhanced the stability of applications.

Freelance Developer – Year Up (2021 – Present)

During my work as a freelance developer I designed customized digital solutions which emphasized security performance and scalability for different clients. Developed secure authentication and authorization mechanisms for web applications. I built RESTful APIs to enhance data retrieval efficiency in various applications through management activities. Team members could effectively collaborate and deploy software through the adoption of Git version control system.

Key Projects & Achievements

My involvement in open-source work along with hackathons and global coding competitions demonstrates my competence in deploying applications that scale and maintain security as well as performance. My training sessions have allowed me to master full-stack technology alongside API development and database maintenance skills and gives me the opportunity to study blockchain systems as a hobby.

Code Challenges & Open-Source Contributions

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Featured Projects

Below are some of my most notable projects, demonstrating my expertise in full-stack development and software engineering:

Property Incider – Property Management Platform

A modern property management solution built with Next.js and Tailwind CSS, providing an intuitive and scalable platform for managing real estate properties.

Technologies: Next.js, Tailwind CSS

 GitHub: https://github.com/Andrew-comm/property-incider

Live Demo: https://property-incider.vercel.app/

Agency Website – Bodhi Global Analysis

A professional agency website designed with React.js and TypeScript, offering a seamless UI/UX experience for corporate and consulting businesses.

Technologies: React.js, TypeScript

 GitHub: https://github.com/Andrew-comm/Bodhi-Global-Analysis-main

Live Demo: 'https://bodhi-prototype.vercel.app/

Red Store – E-Commerce Website

A fully functional e-commerce platform with a modern UI/UX, built using React.js and styled with CSS for an engaging shopping experience.

 Technologies: React.js, CSS

GitHub: https://github.com/Andrew-comm/RedStore-Ecommerc

Live Demo: https://simple-ecommerce-flame.vercel.app/

Nyalil Tree Nursery – Environmental Project Website

A client project for a tree nursery initiative in Kenya, designed to promote reforestation and environmental conservation.

Technologies: React.js, CSS

GitHub: https://github.com/Andrew-comm/Nyalil-Tree-Nursery

Live Demo: https://nyalil-tree-nursery.netlify.app/

MarketHub – E-Commerce Platform

A feature-rich e-commerce system integrating secure authentication, a product catalog, and a payment gateway, powered by Django and React.js.

Technologies: Django, React.js, PostgreSQL

GitHub: https://github.com/Andrew-comm/MarketHub

 Live Demo: https://markethub-347n.onrender.com/

SwiftSale – Point-of-Sale (POS) System

A robust POS system designed for businesses to manage inventory, transactions, and analytics, built using Django and PostgreSQL.

Technologies: Django, PostgreSQL

GitHub: https://github.com/Andrew-comm/SwiftSale

 Live Demo: https://swiftsale.onrender.com/

Impact & Key Takeaways

Real-World Problem Solving: Every project I work on is aimed at solving a real-world challenge, whether it's enhancing e-commerce experiences, streamlining business operations, or improving property management.

Scalability & Performance Optimization: My projects emphasize high-performance applications through efficient database management, API integrations, and optimized front-end frameworks.

User-Centered Design: I prioritize intuitive UI/UX design, ensuring that applications are accessible, responsive, and engaging for all users.

Continuous Learning & Innovation: I actively experiment with emerging technologies, from progressive web apps (PWAs) to blockchain and decentralized systems.

Certifications & Professional Development

Professional growth with industry advancements remains my constant priority because I believe in ongoing learning to enhance my technical capabilities. My career path includes obtaining multiple certified recognitions from the industry which span software development together with IT automation and blockchain technology expertise. My problem-solving ability together with my technical abilities and skills for building scalable efficient secure applications have grown stronger because of my acquired certifications.

📜 Industry-Recognized Certifications

Google IT Automation with Python

Verified by Google via Coursera.

Gained hands-on expertise in Python scripting, system administration, and IT automation.

Learned to develop automated workflows to enhance system efficiency and reduce manual workloads.

Verify: https://www.credly.com/go/1S1Bhmvz

Google IT Support

Comprehensive training on computer networking, system troubleshooting, and cybersecurity best practices.

Developed skills in technical support, problem resolution, and infrastructure maintenance.

Verify: https://www.credly.com/go/qF6lyQzD

IBM Data Science Professional Certification

Covered data analytics, statistical modeling, and machine learning fundamentals.

Hands-on experience with data visualization tools, Python-based data analysis, and predictive modeling techniques.

https://www.coursera.org/account/accomplishments/certificate/TLM67YE9GRYP