DAVID OGALO

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EDUCATION

Strathmore University   Nairobi, Kenya
Bachelor of Science in Informatics & Computer Science   *Graduated 2022*

SKILLS

Languages	Python, JavaScript, Java, C#, PHP, HTML/CSS
Frameworks	Django, React, Angular, Express.js, Node.js, Vue.js, MEAN stack
Database Management	MySQL, PostgreSQL, Microsoft SQL Server, Oracle Database
DevOps	Git, Docker, Kubernetes, CircleCI, Jira, Slack
Cloud Computing	AWS, Oracle Cloud, Microsoft Azure, Google Cloud Platform
Additional Skills	SDLC, Testing and QA, Agile Methodologies, API Integration

PROFESSIONAL EXPERIENCE

Full-Stack Software Developer   April 2019 - Current
Freelancer   *Nairobi, Kenya*

- Develop and maintain full-stack modern applications using technologies such as Python, Django, JavaScript, React.js, and PostgreSQL, resulting in a seamless user experience and improved overall performance.
- Create RESTful APIs using Node.js and Express.js, enabling efficient data retrieval and seamless integration between front-end and back-end systems.
- Design and optimize database schemas using MySQL, PostgreSQL, and MongoDB, resulting in improved query performance and data integrity.
- Implement and maintain CI/CD pipelines using tools like Git, Jenkins, and Docker, ensuring smooth and automated deployment processes for continuous integration and delivery.
- Collaborate with cross-functional teams, including designers and product managers, to gather requirements, provide technical guidance, and deliver high-quality software solutions within tight deadlines.

Network Technician   Jan 2023 - Current
Kenya Revenue Authority(KRA)   *Nairobi, Kenya*

- Responsible for monitoring, diagnosing, and resolving network issues to ensure smooth and uninterrupted operations. Conduct regular maintenance checks, firmware upgrades, and hardware replacements to optimize network performance.
- Implement capacity planning methodologies to accommodate increasing demands and future growth of the organization, including the deployment of additional switches, routers, and load balancers.
- Analyze network traffic patterns and bandwidth utilization to identify bottlenecks and areas for improvement. Implement Quality of Service (QoS) policies and performance-tuning techniques to enhance overall network efficiency.
- Install and configure networking equipment, including routers, switches, and access points, to establish reliable and scalable network infrastructures ensuring proper integration with existing systems and adherence to industry best practices.
- Maintain comprehensive network documentation, including network diagrams, equipment inventory, and configuration details. Generate regular reports on network performance, uptime, and security incidents for management review.

IT Technician Intern May 2022 - Aug 2022
International Livestock Research Institute(ILRI) *Nairobi, Kenya*

- Provided excellent customer service, resulting in a 95% customer satisfaction rating on all support tickets during the internship period.
- Coordinated with other departments to identify and address recurring software issues, reducing the number of support tickets by 25% over a four-month period.
- Streamlined the process for diagnosing and resolving hardware issues, resulting in a 30% reduction in time spent on each service call.

Software Developer Intern Feb 2021 - May 2021
Centric Limited *Nairobi, Kenya*

- Developed and implemented a new feature in the company's flagship product, resulting in a 25% increase in user engagement and a 15% increase in revenue.
- Collaborated with the QA team to identify and fix 20+ critical bugs in the product, significantly improving overall product stability and customer satisfaction.
- Successfully integrated a new third-party API into the product, enabling users to access additional functionalities and resulting in a 10% increase in user adoption and engagement.

PROJECTS

Techsage Ltd. Led the development of a dynamic webapp for Techsage, an IT consultancy company, to enhance its online presence and streamline client communication. Leveraging JavaScript, React.js, HTML/CSS on the front-end, Node.js, Express.js, and MongoDB on the back-end. By integrating RESTful APIs and ERPNext into the solution, I ensured seamless communication and efficient business operations management. I collaborated with the client on the requirements gathering and planning phase so that we could be on the same page in understanding the project scope, objectives, deliverables, exclusions, constraints, and assumptions. I delivered a solution that significantly increased organic traffic resulting in a 15% increase in its customer base, generated a 10% boost in leads through in-app contact, and a platform to legitimize its credibility and strengthen its brand to potential clients. Following best practices, version control and CI/CD using Git, and rigorous testing, I showcased my proficiency in full-stack development and adherence to software engineering standards. [(View Website)](#)

ANPR Parking Management System. Developed an efficient and secure Automatic Number Plate Recognition (ANPR) system using Python and the OpenCV framework. By leveraging OCR technologies and a curated dataset from Kaggle, I trained the model to accurately identify real-time license plates, improving parking operators' efficiency and security. This project showcased my expertise in Python programming, computer vision, machine learning, and image processing, resulting in a robust ANPR solution that enhances parking management by providing reliable vehicle tracking and monitoring capabilities.

M-Ticket. Collaborated in the end-to-end development of an online ticketing system, delivering a seamless ticket-purchasing experience. Utilized HTML/CSS, JavaScript, and React.js on the front-end, and Node.js and MySQL on the back-end to create a responsive and user-friendly interface. Integrated Flutterwave's payment gateway for secure transactions. Rigorous testing and optimization ensured optimal performance during peak traffic. This project showcased my proficiency in full-stack development, payment gateway integration, and the ability to deliver high-quality solutions for high-traffic platforms.

CERTIFICATIONS

- Certificate of AWS Certified Cloud Practitioner Training Course (Validation Number: FEJG7L0DCFF41KC1, [Validation Link](#)).
- Oracle Java Certifications Associate Professional