DAVID OGALO

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OBJECTIVE

Results-oriented Software Engineer experienced in designing, developing and maintaining software solutions. I deliver efficient and scalable applications and am proficient in diverse programming languages, frameworks, and databases. Detail-oriented and adaptable, I excel in collaborative and dynamic environments, driving project success through meticulous attention to detail and technical expertise.

EDUCATION

Bachelor of Science in Informatics & Computer Science, Strathmore University   2018 - 2022
Graduated 2022, Grade: B

SKILLS

Languages	Python, JavaScript, Java, C++, HTML/CSS
Frameworks	Django, React.js, Node.js, Express.js, Vue.js, Angular JS, Flask, MEAN Stack
Databases	MySQL, PostgreSQL, MariaDB, MongoDB, Firebase
DevOps	Git, CircleCI, Jenkins, Docker, Kubernetes, Jira, Slack
Cloud Technologies	AWS, Azure, Google Cloud, Oracle
ERP Systems	ERPNext, Odoo, SAP S/4HANA
Soft Skills	Problem-solving, Collaboration, Effective communication, Adaptability, Analytical skills

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*

- Assist in installing, configuring, and maintaining network infrastructure, including routers, switches, and firewalls, ensuring uninterrupted network connectivity for end-users.
- Conduct network troubleshooting and diagnosis to identify and resolve connectivity issues, minimizing downtime and improving overall network performance.
- Collaborate with cross-functional teams to implement network upgrades and enhancements, such as wireless network expansions and network equipment replacements.
- Provide end-user support for network-related issues, including network connectivity, VPN access, and troubleshooting network-related applications.

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 and HTML/CSS on the front-end, and 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 license plates in real-time, improving efficiency and security for parking operators. 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