Dominic Bor

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Education

Bachelor of Science Information Technology, *KCA University* | Nairobi, Kenya

Courses: Object Oriented Programming, Database Development, Distributed Systems, Web Application Development, System Design, Android Development

Skills

Programming	C/C++, Java, Javascript, Python, SQL
Frameworks	Spring boot, React, Node js, Express js, Next js,Django
Tools and Technologies	Linux, Docker, Git, Github, MySQL, Mongo DB, Bash, Vi , AWS

Experience

Rapid Research, *Software Engineer* | Remote   *May 2022 - Date*
- Continuously design, develop, and maintain customized software applications using Python, Node.js, and related tools and frameworks. Collaborate with clients to adapt software to evolving business requirements, ensuring their needs are consistently met.
- Maintain a commitment to producing clean, well-documented code to ensure codebase maintainability throughout the software's lifecycle. Keep documentation up to date, aiding in seamless project transitions and long-term reliability.
- Demonstrate a sustained ability for problem-solving and debugging, promptly addressing complex software issues as they arise. Continuously work to improve software stability, minimize downtime, and enhance user experience.
- Utilize version control systems like Git and SVN to manage project repositories and enable seamless team collaboration. Ensure that code consistency and concurrent development are ongoing practices.
- Maintain an agile development approach, including Scrum and Kanban methodologies, to manage software projects. Continue to collaborate with cross-functional teams to consistently deliver projects on time and within scope, exceeding client expectations and adapting to changing requirements.
- Contributing to the development of cloud-based solutions using Linux, Git, and Docker environments, in conjunction with AWS services. Leveraged serverless computing with Lambda functions and utilized S3 for efficient data storage and retrieval within the microservices architecture.

Labs Afrika, *Software Engineer* | Remote   *Sept 2020 - April 2021*
- Developed WebSocket-based APIs to facilitate real-time data communication and broadcasting PostgreSQL changes, achieving synchronized and responsive data updates. Proficiently managed API gateway and authentication using JWT/SWT tokens, ensuring secure real-time interactions.
- Designed and implemented RESTful endpoints and GraphQL schemas for flexible data querying. Configured and managed API proxies to enhance security, caching, and load balancing, resulting in improved API performance and data accessibility.
- Designed and implemented high-performing APIs using JavaScript, effectively utilizing routing and middleware libraries. Implemented a unique error handling paradigm to ensure robust and fail-safe API operations, enhancing application reliability.
- Leveraged PostgREST to auto-generate CRUD APIs from PostgreSQL database schemas. Customized and extended PostgREST capabilities to align with specific business logic and requirements, optimizing database query performance for efficient and fast responses.
- Wrote and executed comprehensive tests, including unit tests, integration tests, and end-to-end tests, to ensure reliable API functionality. Produced clear and informative documentation, explaining API usage, endpoints, authentication methods, and more. Continuously gathered user and developer feedback to drive improvements and adapt to evolving needs.

Projects

Rental Management System   *April 2020*
Skills: HTML, CSS, PHP, MySQL
- A web application that simplifies rental property management for Landlords and Tenants. Landlords gain easy access to tenant data, payment history, lease agreements, and maintenance reports, while Tenants can conveniently view their personal payment records, lease details, and maintenance reports. Get started by logging in, and enhance your property management experience today.

Bus Reservation System   *Dec 2021*
Skills: C++
- This is a simple Bus Reservation System programmed using Cpp .This program allows you to add bus details,then you can reserve a bus seat according to vacant seat available.One can check for list for vacant seats in a bus.It also allows you to see the available bus for now. This is a simple implementation of c++ code using class and structure.

KadiPay   *April 2023*
Skills: Mongo DB, React, Express js, Node js, Next js, Solidity
- KadiPay the innovative web-based decentralized application that empowers you to easily convert a wide range of cryptocurrencies into fiat currencies, with a primary focus on USD and Kes. Seamlessly deposit your converted funds directly into your bank account, all powered by the BNB Smart Chain.

Interests

Github Campus Expert	Completed the GitHub program, expertise in collaborative development and version control practices.
ALX Bootcamp	Participated in bootcamp demonstrating proficiency in software development, problem-solving, and teamwork.