EMMANUEL OTENG WILSON

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EDUCATION

University of Energy and Natural Resources   Sept 2016 - July 2020
BSc Computer Engineering   Sunyani, Ghana
GPA: Second Class Upper

EXPERIENCE

Freelance   Jan 2022 - Present
Software Engineer | Backend Developer   Remote
Tools: Laravel, CodeIgnitter, Shopify, Github, Postfix/Iredmails, Digital Ocean, Push

• Linux Server (Ubuntu/Centos) configuration and management
• Mail server configuration setup and troubleshooting during downtimes
• Designed architectures and flow for projects and counseled clients on best flows for their projects
• Built and documented backend service APIs for use by frontend Engineers
• Wrote test for backend implementation (using PHP unit, Jest, Supertest)
• Implemented CI/CD using github actions
• Deployment of both Frontend (Vue.js and Reat.js) and Backend project on linux (ubuntu) servers
• Payments Integrations using Flutterway and Paystack payment APIs and Push.js for real time notification and chats
• Modified and added new features to a custom Shopify Inventory application
• Performed stress/load testing using locust and improved servers capacity to handle more request/second when necessary
• Managed database with over 5 million records

The/Studio Technologies (US)   Aug 2021 - Dec 2021
Software Engineer   Remote
Tools: Symfony, Bitbucket, Jira, Ansible, Git, Linux

• Built and implemented new functionalities using Symfony and Sylius, an Ecommerce web framework for Symfony
• Optimized and refactored existing implementation by following best practices in symfony
• Collaborated in code reviews usually among the Ghana team and provided recommendations
• I implemented git hooks for projects

Npontu Technologies   July 2020 - Aug 2021
Software Engineer   Accra, Ghana
Tools: Laravel, Jquery, Gitlab, Git, Linux, Hertzner

• Facilitator to the Platforms Team Lead and collaborated in managing and mentoring interns and other junior developers
• Developed and deployed complex U.S.S.D architectures and integrated with web application for Micro Finance companies and for conducting elections for Annual General Meetings of Organizations
• Built and deployed web apps using Laravel and other tech stack
• Redesigned and/or rebuilt existing projects to meet client's requirements upon change request
• Implemented optimized query for huge data export into excel (.xlsx) report using python
• Collaborated in bringing up an application(s), during down times
• Mentored other developers in application deployment with SSL setup
• Built and deployed mobile application using flutter and cordova
• Collaborated and represented the Platforms department for integration testing with MTN and also resolved errors that came up.
• Reported directly to the team lead and sometimes to the head of Engineering
• Designed and developed a Self Sign Up Portal to automate the manual process of integrating client's API to the company's U.S.S.D setup

Kokrokoo Advertising Partners   May 2019 - July 2021
Backend Developer   Remote
Tools: AWS, Github, Laravel, Git, Linux

• Collaborated as the backend developer and maintainer.
• Integrated Flutterwave Payment API and handled payment by Purchase Order
• Developed a dynamic rate card system for media houses and implemented scheduling of users ads with media house using the available rate cards
• Designed project architecture
• Supervised and managed the tech department
• Integrated SMS API for notification
• Implemented schedulers/conjobs for the activation and expiration of ads

SKILLS

- **Programming Languages**: PHP, JavaScript, Java, Python
- **Frameworks**: Laravel, Symfony, CodeIgnitter, Node.js/Express.js, Vue.js, Spring Boot, Jquery
- **Databases**: Mysql, MongoDB, PostgreSQL
- **Software Architecture**: Monolith, Microservices, Distributed Systems
- **API Spec**: REST, GraphQL
- **DevOps**: Github, Github Actions, Docker, Bitbucket, Gitlab
- **Cloud Technologies**: Digital Ocean, Heroku, AWS, Linode, Hertzner