CORINE D. BOCOGA

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OBJECTIVE

A dedicated and passionate Software and Cloud Engineer with over 4 years of experience specializing in full-stack development and cloud DevOps engineering. Proficient in designing scalable and maintainable microservice architectures, and skilled in software engineering, documentation, and database modeling. Excel in collaborating with cross-functional teams to deliver practical solutions that meet customer needs.

With a strong interest in Big Data, digital transformation, and emerging technologies, I am eager to tackle new challenges and contribute to projects that drive business success.

SKILLS AND INTERESTS

Skills	Full-Stack Development, Software Engineering,
	Cloud DevOps Engineering, Microservice Architecture Design,
	Documentation, Database Modeling,
	Product design thinking
Interests	Business Intelligence & Digital transformation,
	Product Management, Blockchain Technology.

TECHNICAL STRENGTHS

Languages & Frameworks	PHP/Laravel, JavaScript/VueJS & NuxtJS, Dart/Flutter,
	SQL, NoSQL, MySQL, PostgreSQL, MongoDB, Redis
Software & Tools	VS Code, Android Studio, Git, GitLab, GitHub,
	UML, Merise, Jira & Trello, Swagger, Postman
	Microsoft Office, LaTeX

PERSONAL STRENGTHS

· Ability to work as an individual as well as in group.
· Creative approach to the task
· Easy to establish contacts with the team
· Ability to perform well under pressure
· Strong motivational and leadership skills.

PROFESSIONAL EXPERIENCE

HokwePay   SEPT 2023 - Present
Co-Founder & Product Lead

· Leading the ideation and strategic planning for HokwePay, defining the long-term vision and objectives to address key challenges in rent payments and financial management.
· Conducting extensive market research and customer needs analysis to pinpoint critical problems and opportunities, ensuring the product aligns with user expectations and market demands.
· Designing and administering surveys to collect valuable user feedback and insights, which drive the development of user-centric solutions.

- Performing gap analysis and root cause analysis to identify inefficiencies and refine product concepts, improving overall effectiveness and user satisfaction.
- Executing competitive analysis and SWOT analysis to assess market positioning, identify strengths and weaknesses, and develop a compelling value proposition.
- Engaging with stakeholders, including potential users and partners, to validate concepts and gather input, ensuring alignment with market needs.
- Guiding the brainstorming and planning processes, incorporating emerging trends and technologies to innovate and maintain competitive advantage.
- Developing the prototypes and pilot projects to validate ideas and gather early feedback, facilitating informed decision-making and strategic adjustments.
- Defining and refining the business model, including revenue streams, pricing strategies, and go-to-market plans to support sustainable growth and profitability.

CELERITE HOLDING · Akpakpa
MAY 2022 - Present
Full-Stack Developer · *Contractuel Work*

- Conducted detailed project requirements analysis, drafted specifications, and executing coding tasks to meet the project's objectives.
- Utilizing SOLID principles to enhance architecture and maintainability in either backend laravel and frontend Vue.js applications.
- Handling API integration and documentation, ensuring comprehensive and accurate integration of backend services with frontend interfaces.
- Managing continuous integration and deployment processes for both backend and frontend applications to ensure consistent and reliable updates.
- Web Application Development: Led the design and implementation of a web application for monitoring and evaluating project performance, ensuring a robust and user-friendly experience.
- Designed and implemented an API for web and mobile applications and also for an iot system, focused on evaluating hospital services, ensuring seamless functionality across platforms.
- Contributed to the design and the development of the accounting module of an production plant management system

FREELANCING
MAR 2022 - JUL 2022
Full-Stack Developer

- Collaborated on the development of a SAAS Hospital Management System (SIG-H), focusing on design the backend system and system architecture.
- Conducted comprehensive requirements analysis and modeled the system architecture and database schema, ensuring effective and scalable solutions.
- Implemented SOLID principles for code architecture and hybrid frontend structures, enhancing code reuse, readability, and maintainability.
- Utilized technologies including Linux, Laravel, MySQL, Nginx, JavaScript, Ajax, JQuery, and VS Code to deliver robust software solutions.
- Successfully designed and developed the backend system for hospital management platform, following best development practices to meet project requirements. Contributing to its overall efficiency and functionality.

CFA Empire
September 2021 - March 2022
Full-Stack Developer

- Designed and developed end-to-end solutions for both web and mobile applications, enhancing the company's digital infrastructure.
- Collaborated with stakeholders to gather requirements, create technical specifications, and deliver feature-rich solutions.

- Developed the enterprise HR application, an internal messaging mobile app, contributing to the company's digital transformation.
- Conducted comprehensive testing and quality assurance to ensure software performance, security, and scalability.
- Contributed to the implementation of an e-commerce platform using WordPress.
- Successfully launched the enterprise HR application, significantly improving HR processes and operational efficiency.

AC-GROUPE   JAN 2020 - MAR 2024
Web Developer

- Analyzed, modeled, and implemented an informational blog to facilitate communication and knowledge sharing.
- Created a bulk e-mailing tool to manage promotional marketing services, improving communication efficiency.
- Managed the deployment of web applications, provided ongoing support, resolved issues, and performed maintenance and upgrades.
- Authored a comprehensive web development training guide and IT project specifications.
- Oversaw IT project management, including planning, delivery, and continuous maintenance.
- Utilized technologies such as Linux, Laravel, MySQL, Nginx, JavaScript, Ajax, JQuery, and VsCode.

MMS   October 2019 - November 2020
Backend & Mobile Developer

- Led the development of a mobile application for death insurance subscription and the payment of mensual due, focusing on delivering a seamless and user-friendly experience for customers.
- Designed and implemented efficient RESTful APIs to facilitate smooth communication between the mobile app and backend systems.
- Collaborated closely with both mobile and backend development teams, ensuring cohesive integration and high-quality software delivery.
- Contributed to defining and refining API endpoints, optimizing performance and functionality to meet project requirements.

PROJECTS

HokwePay Solution : In Development of a mobile rent payment app   HokwePay
Company-Based Product Project

Overview	HokwePay is a solution that aims simplify and automate rent payments, streamlining rental property management for tenants and landlords.
Target Users	Landlords, tenants and rent collector.
Key Features	Automated rent payments and reminders.
	Tenant scoring and evaluation for better risk management.
	Financial management tools for tracking income and expenses.
	User-friendly mobile app for tenants and landlords.
	Secure digital payment options and transaction history.
Benefits	Enhances tenant experience with convenient payment options.
	Encourages timely payments through loyalty incentives.
	Enhances tenant satisfaction with flexible payment options.
	Reduces administrative burden for landlords and property managers.
	Provides valuable financial insights and an analytics tools for better financial decision-making.
	Increases transparency and trust between landlords and tenants.
	Streamlines communication and document management.

Agri-Tech Solution: Worked on prototype of a mobile app displaying a farm-base weather prediction, remote farm irrigation, and crop disease prevention,
Voluntary Project Work

Overview	The Agri-Tech Solution is a comprehensive mobile application aimed at enhancing agricultural practices through weather prediction, remote irrigation management, and crop disease prevention. Developed as part of SEPT's innovation and research initiatives, this project leverages cutting-edge technologies to support farmers in optimizing their practices.
Key Features	Real-time farm-based weather forecasts and alerts. Monitors soil moisture levels and optimizes water usage for crops, improving efficiency and reducing water wastage. Allows farmers to manage irrigation systems remotely. Utilizes a deep-learning model for detecting plant diseases affecting crops such as maize and tomatoes.
Benefits	Improved irrigation efficiency, increased crop yields, and reduced crop losses. Provided farmers with real-time weather data and advanced disease detection to make informed decisions. Empowered farmers with tools to manage their farms more effectively and efficiently.

Udagram Image Filtering Application: Deployed an custom instagram image filter - FullStack App on AWS Elastic Beanstalk udagram-udacity.git
Personal Project

· Developed and deployed an image filtering service microservice.
· Designed and implemented RESTful APIs to interact with the image processing microservice.
· Successfully deployed a full-stack application with a custom image filtering microservice on AWS Elastic Beanstalk.
· Applied authentication mechanisms to secure API endpoints.
· Enhanced application security and scalability through the implementation of authentication and custom domain configuration.
· Achieved seamless integration between frontend, backend, and microservice components.
· Developed the ability to build, deploy, and manage a full-stack application on AWS Elastic Beanstalk.

Udagram Image Filtering Microservice: Refactoring udagram monolith app into microservices
Udagram Microservices Application
Personal Project

· Successfully refactored the Udagram monolithic application into a microservices architecture, resulting in enhanced system performance and scalability.
· Enabled secure user registration and authentication functionalities.
· Allowed users to post photos to the feed.
· Implemented a microservice for seamless photo processing.
· Utilized Docker and Kubernetes to manage and orchestrate microservices, achieving seamless integration and deployment.
· Implemented a robust CI/CD pipeline ensuring efficient and reliable code deployments.
· Applied best practices in cloud computing and microservices architecture, ensuring efficient resource utilization and system reliability.
· Leveraged AWS services for hosting and managing the application.

Serverless TODO APP: A simple TODO application using AWS Lambda and Serverless framework serverless-todo-app.git
Personal Project

· **Serverless Architecture:** Utilizes AWS Lambda for backend logic, ensuring scalability and reduced operational costs.
· **Task Management:** Implements CRUD(get, create, update, and delete tasks) to manage easily tasks.
· **User Authentication:** Utilizes Auth0 to implements secure user authentication and authorization and reduced operational costs.
· **Data Persistence:** Use DynamoDB for reliable and scalable data storage.
· **Logging and Monitoring:** Implements a logger for comprehensive logging and monitoring.

Laravel Core Modules Maker: A laravel package to speed up development while complying with software development standards laravel-core-modules/core-modules-maker
Personal Project

· Created a robust package that supports a wide range of development needs.
· Simplified complex tasks into single command executions, enhancing developer efficiency.
· The package led to a marked improvement in developer's productivity.
· Enabled developers to focus on business logic rather than boilerplate code.
· Ensured compliance with Laravel's best development practices.
· Promoted clean, maintainable, and modular code architecture.
· Developed and maintained comprehensive technical documentation for the created modules.
· Accelerated project delivery and increased development efficiency.

ADDITIONAL WORK EXPERIENCE

VOLUNTEER WORK   JAN 2022 - JUL 2023
Mobile Developer

· Conducted thorough needs analysis and drafted specifications for the mobile application.
· Prepared cost estimates and system architecture designs to guide the development process.
· Designed the overall system architecture and database models to support the app's functionalities.
· Developed the mobile application using Dart and Flutter, with a focus on user-friendly interfaces and seamless integration of features.
· Implemented Hive for local data storage and AWS for cloud-based services.
· Integrated a deep-learning model for crop disease detection.
· Enabled accurate diagnosis and treatment suggestions, enhancing crop health and yield.

EDUCATION & CERTIFICATIONS

UDACITY VIA ALX, ONLINE   JUL 2022 - NOV 2022
AWS Certified Cloud Developer

UNIVERSITY OF ABOMEY-CALAVI, IFRI   *OCT 2016 - 2019*
B.S. in Software Engineering
COMPUTER SCIENCE TRAINING AND RESEARCH INSTITUTE

COULIBALY TECHNICAL HIGH SCHOOL, COTONOU   *OCT 2013 - SEPT 2016*
DT, IT Installation and Maintenance