

Wilfried Kirin AGO

Full Stack Software Engineer

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Profile

Full Stack Software Engineer specializing in the design and evolution of mission-critical information systems, with strong expertise in backend development and distributed architectures. I work on high-stakes financial and business platforms, particularly in cloud-native environments built on microservices, CQRS, and Event Sourcing.

My work bridges business requirements and technical implementation: business analysis, modeling complex domains, designing scalable modules, and integrating heterogeneous systems. I place particular emphasis on code quality, data traceability, and architectural resilience.

Curious and rigorous, I continually expand my expertise in DevOps, distributed systems, and advanced software engineering, with the goal of designing durable, maintainable, and impact-driven solutions.

Professional experience

BFT Group, Backend Developer

Aug. 2024 - Present
Cotonou, Benin

- Made major contributions to the development and evolution of **OpenCBS**, an Apache Fineract-based core banking platform for microfinance institutions and banks.
- Analyzed business requirements in depth (cash operations, teller management, cash flows, and customer transactions) and translated them into domain models aligned with **DDD** principles.
- Developed modules for cashier and teller management, currency denomination tracking, and financial accounting compliant with **SYSCOHADA** standards for the UEMOA region.
- Customized and integrated **OpenERP** to ensure interoperability with the core banking platform, particularly for accounting, internal management, and financial reporting modules.
- Actively participated in code reviews, continuous codebase improvements, and service structuring, improving the maintainability and modularity of microservices deployed for clients.

Agence Benco, Full Stack Web Developer

Nov. 2023 - Jul. 2024
Cotonou, Benin

- Played a key role as the main contributor to **PassMi**, a comprehensive ticketing system designed to streamline event management. The solution includes real-time analytics and ticket-scanning capabilities.
- Coordinated several projects, including a client portfolio, a corporate website for a petroleum products company, and other tailored digital solutions.

TEC SARL, Full Stack Web Developer Intern

Dec. 2022 - Mar. 2023
Cotonou, Benin

- Contributed to internal projects, including Monetic and Tec-ticket, in collaboration with cross-functional teams.
- Developed a management application for blood collection and donation centers, enabling the tracking of blood inventory, donors, and recipients.

Education

ESGIS Benin, Master's Degree in Computer Science - Software Engineering

Sep. 2024 - Present
Cotonou, Benin

- Advanced coursework focused on designing robust and scalable software architectures, with particular emphasis on distributed systems and enterprise applications.
- In-depth study of modern software engineering practices: microservices architecture, domain-driven design (DDD), test-driven development (TDD), and DevOps and cloud principles.
- Academic and practical projects translating complex problems into maintainable, high-performance software solutions.

ESGIS Benin, Bachelor's Degree in Computer Science - Software Engineering

Sep. 2019 - Jul. 2023
Cotonou, Benin

- Built a strong foundation in computer science and software engineering, including algorithms, data structures, object-oriented programming, and application development.
- Developed practical skills through academic projects covering web development, databases, and application systems.
- Led the Web and Mobile Developers Club, organizing technical workshops, sharing knowledge, and fostering student communities.

Certifications

KCNA: Kubernetes and Cloud Native Associate, The Linux Foundation

Sep. 2025

- Official certification validating foundational skills in Kubernetes and cloud-native technologies, including container orchestration, microservices architecture, and DevOps practices.
- Proficiency in key concepts: deploying containerized applications, managing Kubernetes clusters, observability, and cloud-native security.

Atlassian Agile Project Management Professional, Atlassian

Oct. 2024

- Professional certification in Agile Scrum methodologies, covering project management, best practices, and Atlassian tools (Jira and Confluence).
- Advanced skills in sprint planning, product backlog management, and development team velocity optimization.

Java Back-End Software Engineer, Sourcemind

Nov. 2023

- Intensive 24-week Java back-end engineering program covering TDD, data structures, algorithms, REST API development, and automated testing.
- Training delivered by [Sourcemind](#) in partnership with [Webb Fontaine](#), combining technical expertise with professional skills for the IT industry.

Technical skills

Programming languages : Java, Kotlin, TypeScript, Python

Frameworks and libraries : Spring Boot, Quarkus, NestJS, Django, Angular, React

Platforms and tools : Git, Docker, Kubernetes, Jira, Figma, Amazon Web Services (AWS)