

# Cherish Banini Seinty

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LinkedIn: [linkedin.com/in/cherish-banini](https://www.linkedin.com/in/cherish-banini) GitHub: [github.com/NanaWhan](https://github.com/NanaWhan) Portfolio: [cherishseinty.dev](https://cherishseinty.dev)

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Full-Stack Software Engineer specializing in scalable production systems across government, defense, fintech, and SaaS domains. Led development of a 34-microservice government platform serving 100K+ daily users and contributed to defense analytics and command systems (Artiv) used for military mission planning and COA analysis. Strong across .NET, Node.js, React/Next.js, and cloud infrastructure — experienced working with US-based remote teams.

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## Work Experience

### Lead Software Engineer | TechSpotDev | Dallas, TX (Remote)

Jan 2025 – Present

- Led design and delivery of Artiv, a defense C2 platform supporting military mission planning, COA analysis, 9-line report generation, and real-time operational decision-making — with LLM integration via OllamaSharp and Microsoft.Extensions.AI
- Built DEFCON-DataServer: a 4-layer WebSocket data server with AWS S3, PostgreSQL, in-memory caching, and Docker deployment for high-reliability defense workflows
- Developed RIMS (stratcom): interactive mission resource scheduler featuring Gantt timelines, Cytoscape.js dependency graphs, and ripple delay calculations for operational planning
- Built military flight and fleet scheduling optimization tools using Python, Streamlit, Pyomo, and Gurobi — solving crew qualification, resource allocation, and shortfall analysis for NAVTESTWINGLANT
- Developed Nurse Scheduler workforce scheduling system (React, Deno, Prisma) including API design, database modeling, and production deployment — reducing manual scheduling overhead
- Delivered full SaaS agency platform (iludate) using NestJS, MongoDB, Stripe, Agora video calling, Stream.io real-time chat, and BullMQ job queues
- Built real-time dashboards and geospatial visualizations using DevExpress Blazor, JavaScript interop, and SkyShark external mapping services
- Designed secure authentication and RBAC using ASP.NET Core Identity for defense-grade security requirements
- Leveraged AI-assisted development workflows (Claude, Cursor, Figma MCP) to accelerate frontend delivery across tight defense project deadlines — reducing implementation time on complex UI components
- Practiced TDD with xUnit across mission-critical services; mentored engineers and maintained code quality standards

### Hubtel | Software Engineer (Backend & Frontend) | Accra, Ghana (Remote)

Sep 2023 – Nov 2024

- Built GovCitizen: a 34-microservice .NET 6/8 government platform integrating ECG, Water, SSNIT, NSS, NIC, Ghana Post, and TapNGo — serving 100K+ daily users across Ghana
- Developed MyCreditScore backend on .NET 8 with Kafka event streaming, Redis caching, Akka.NET actors, and Elasticsearch for real-time credit scoring and analysis
- Built Next.js 14 citizen portals with Ghana Card OCR verification, biometric face verification, NextAuth authentication, and real-time WebSocket updates
- Deployed all services via Azure DevOps CI/CD pipelines with SonarQube quality gates and multi-stage build configurations
- Optimized PostgreSQL schemas and SQL Server stored procedures, reducing query latency by 40%
- Implemented RESTful APIs, caching strategies with Redis, and authentication flows across all platform services
- Established coding standards, documentation practices, and testing workflows across the engineering team

### Independent Software Engineer / Freelance Developer | HUDPLUS | Remote

2022 – Present

- Designed and built Global Horizons travel booking platform (Nuxt 3, ASP.NET Core 8, Akka.NET, PayStack, Postmark) serving 15,000+ travelers with a 98% booking success rate, covering visa applications, flight/hotel booking, and tour packages
- Developed GloHorizonAdmin: full-featured travel agency admin dashboards (Next.js 15, Nuxt 3, TypeScript, Pinia) with real-time analytics, booking/quote management, SMS/email broadcasting, and payment link generation
- Built Huud Autos MVP: Ghana car import platform (React 19, Vite, TypeScript, Zustand, i18next) featuring a duty calculator, vehicle inventory, and tracking system

### IT Support | WBHO Construction | Newmont Ahafo Site (Hybrid)

Sep 2022 – Dec 2022

- Designed and built an internal SMS broadcast system integrating the Arkesel SMS API to deliver mass communications to field engineers — eliminating the need for general meetings and solving connectivity challenges since SMS requires no internet access on-site
- Managed and maintained IT systems for on-site engineering teams, including system installation, network configuration, and malware prevention to ensure operational continuity

## PROJECTS

- RentUrRide — Full-stack car rental platform (Next.js 15 + .NET 9 + Vue 3 admin, Turbo monorepo): OTP phone verification, PayStack payments, Cloudinary media, Redis caching, SendGrid/mNotify notifications — deployed to Netlify + Railway
  - DeHideout— Airbnb-style property management system (ASP.NET Core 8 + Vue 3 + TypeScript): full booking lifecycle with check-in/checkout, Hangfire background jobs, financial analytics, and SMS booking confirmations
  - Obrempon—Clothing e-commerce platform (Next.js 15, Supabase, ShadCN, Zustand): product catalog, shopping cart, order management, and admin dashboard with inventory tracking and analytics
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## Core Skills

- **Backend:** C#, .NET, ASP.NET Core, Node.js, NestJS, Deno, REST APIs, GraphQL, Akka.NET
  - **Frontend:** React, Next.js, Vue.js, Nuxt.js, Blazor, TypeScript, JavaScript ES6+, Tailwind CSS, HTML5/CSS3
  - **Distributed Systems:** Microservices, Kafka, WebSockets, Event-Driven Architecture, BullMQ, Hangfire
  - **Databases:** PostgreSQL, SQL Server, MongoDB, Redis, Elasticsearch, Supabase
  - **Cloud & DevOps:** Azure, AWS (S3, ECS), SST, Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, Azure DevOps, SonarQube
  - **Security:** JWT, OAuth 2.0, ASP.NET Core Identity, RBAC, BCrypt
  - **Testing:** xUnit, Jest, Vitest, React Testing Library, TDD
  - **Supporting:** Pyomo, Gurobi, Streamlit, Cytoscape.js, PayStack, Stripe, Agora, Stream.io, Cloudinary, Drizzle, Postman, Data Structures & Algorithms, SOLID Principles, System Design, Agile/Scrum
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## EDUCATION

### BSc Business Information Technology

Kwame Nkrumah University of Science and Technology (KNUST)