

DANNELS OKORO

Software Engineer

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Remote Work: Experienced in distributed team collaboration across multiple time zones

PROFESSIONAL SUMMARY

Results-driven Software Engineer with 5+ years of experience building scalable full-stack applications and financial technology solutions. Proven expertise in functional programming paradigms, blockchain technologies, and modern web development. Strong background in designing secure, maintainable systems with emphasis on clean architecture and comprehensive testing. Demonstrated ability to lead feature development while collaborating effectively with cross-functional teams in agile environments.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Elixir, Java, PHP, Go, SQL

Frontend Development: React.js, Vue.js, Angular, TypeScript, HTML5, CSS3, Redux, Context API

Backend Development: Node.js, Express.js, Elixir/Phoenix, Python, Django, Flask, RESTful APIs, GraphQL, Microservices

Functional Programming: Experience with Elixir, immutable data structures, pattern matching, and functional design patterns

Databases: PostgreSQL, MySQL, MongoDB, Redis, database design, query optimization

Blockchain & DeFi: Smart contract integration, Web3.js, cryptocurrency payment systems, stablecoin technology

Testing: Unit testing, integration testing, TDD/BDD practices, automated testing suites

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, CI/CD, GitHub Actions

Tools: Git, Postman, Swagger, Jira, VS Code, Agile/Scrum methodologies

PROFESSIONAL EXPERIENCE

Software Engineer | DiolioChat | Jan 2019 - Dec 2021

- Designed and developed real-time chat application serving 10,000+ active users using React.js, Node.js, and Socket.io
- Architected RESTful APIs and microservices infrastructure resulting in 40% improved system performance
- Implemented secure user authentication, end-to-end message encryption, and file sharing features using JWT and AWS S3
- Led development of 5+ medium-sized features including payment gateway integration and social media authentication
- Optimized PostgreSQL database queries reducing response time by 35% and improved overall application scalability
- Collaborated with product team to deliver 15+ feature releases using Agile methodology with continuous integration
- Participated in comprehensive code reviews ensuring adherence to security standards and architectural best practices
- Technologies: React.js, Node.js, Express.js, PostgreSQL, Socket.io, AWS, Docker, Redis

Freelance Full-Stack Developer | Remote Clients | Jan 2022 - Present

- Delivered 20+ custom web applications for diverse clients across fintech, e-commerce, healthcare, and education sectors
- Built responsive e-commerce platform with cryptocurrency payment integration processing \$50K+ monthly transactions

- Developed inventory management system using React, Django, and PostgreSQL for retail client with real-time updates
- Created comprehensive automated testing suites achieving 90%+ code coverage and reducing production bugs by 60%
- Implemented robust CI/CD pipelines using GitHub Actions and Docker for seamless deployment processes
- Provided technical consultation and architectural guidance for startups integrating blockchain payment solutions
- Technologies: React.js, Vue.js, TypeScript, Python, Django, PostgreSQL, AWS, Docker, Stripe API, Web3.js

KEY PROJECTS

DeFi Payment Gateway | TypeScript, Node.js, PostgreSQL, Web3.js

- Full-stack financial application bridging traditional payments with decentralized finance protocols
- Implemented secure smart contract integration for stablecoin transactions with real-time settlement
- Built comprehensive admin dashboard for transaction monitoring and liquidity management
- Deployed on AWS with auto-scaling capabilities handling 1000+ concurrent transactions

Real-Time Collaborative Platform | Vue.js, Elixir/Phoenix, PostgreSQL

- Distributed task management application with functional programming architecture using Elixir
- Integrated real-time collaboration features with Phoenix LiveView and WebSocket connections
- Implemented pattern matching and supervisor trees for fault-tolerant system design
- Achieved 95% user satisfaction score through intuitive UI/UX and zero-downtime deployments

API Gateway Microservice | Node.js, TypeScript, Docker, Kubernetes

- Microservices architecture with centralized API gateway for multiple client applications
- Implemented rate limiting, JWT authentication, and comprehensive logging middleware
- Reduced API response time by 50% through efficient caching strategies and database optimization
- Practiced extensive unit and integration testing with 95%+ code coverage

EDUCATION

Bachelor of Science in Computing and Information Science

University of Lay Adventist of Kigali | 2017

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified Developer Associate
- MongoDB Certified Developer
- Completed 15+ successful remote projects with 4.9/5 average client rating
- Contributed to 5+ open-source blockchain projects with 200+ GitHub stars combined
- Speaker at Kigali Tech Meetup on "Functional Programming in Modern Web Development"
- Active participant in DeFi development communities and blockchain hackathons

LANGUAGES

English: Fluent