

# Samuel Aidoo

## Software Engineer

Software Engineer targeting Java Spring Boot roles with 4+ years of experience building production web, mobile, fintech, and AI-powered systems. Strong in REST API design, secure payment workflows, microservice-oriented architecture, SQL databases, cloud deployment, and cross-functional delivery. Skilled across Java, Spring Boot, JavaScript/TypeScript, React, Next.js, Node.js, and Express, with a practical focus on reliable backend services and polished user experiences.

### PROFESSIONAL EXPERIENCE

#### *Fast Pace Transfer*

Accra, Ghana

#### **Software Engineer**

September 2024 - Present

- Collaborated to build and improve web and payment platform features for remittance products, supporting secure transaction workflows for over GHS 50 Million in transaction amount.
- Partner with mobile engineers to design API-driven payment and onboarding flows across web and mobile applications.
- Revamped the company website, increasing user engagement by 30% and improving SEO visibility by 25% within 3 months.
- Translate business requirements into maintainable application features with attention to security, reliability, usability, and deployment readiness.

#### *Ropat Systems Ltd*

Accra, Ghana

#### **Full-Stack Web Developer**

August 2021 - August 2024

- Developed a chat-with-documents system using GPT-Index and GPT-3.5, enabling faster knowledge retrieval for internal use improving information retrieval.
- Designed and delivered an inventory and asset management system that reduced discrepancies by 25% and improved operational efficiency by 20%.
- Built RESTful integrations, admin workflows, and database-backed features across client applications using JavaScript/TypeScript, Node.js, SQL.
- Introduced Git/GitHub version control practices, improving deployment speed by 20% and reducing integration issues by 15%.
- Configured web servers, backups, and recovery processes that reduced downtime by 15% and improved system reliability.

Accra, Ghana  
+233 506 596 743  
samuelaidoo45@gmail.com  
[linkedin.com/in/samuel-aidoo-68288116a](https://linkedin.com/in/samuel-aidoo-68288116a)  
[samuelaidoo45.github.io/portfolio](https://samuelaidoo45.github.io/portfolio)  
[github.com/samuelaidoo45](https://github.com/samuelaidoo45)

### TECHNOLOGY STACK

#### **Back-End**

Java, Spring Boot, Spring MVC, REST APIs, Microservices, Node.js, Express.js

#### **Front-End**

React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML, CSS

#### **Databases**

SQL, MySQL, Firestore

#### **Other Technologies**

Docker, Microservice Architecture, API Design and Development

#### **Web Server**

Apache, Nginx

#### **Cloud & DevOps**

Azure, GCP, Vercel, Firebase, Git, GitHub, CI/CD practices

#### **Messaging / Queueing**

RabbitMQ, Kafka

#### **Observability**

Prometheus, Grafana, OpenTelemetry, Jaeger

#### **Mobile**

Kotlin, Jetpack Compose, Android Studio

#### **Testing & Quality**

Debugging, API testing, code maintenance, backup and recovery

#### **Design**

Figma, UI/UX wireframing, responsive product interfaces

### CORE COMPETENCIES

- Java Spring Boot backend development
- REST API design and integration
- Microservice-oriented architecture
- Fintech and payment workflows
- SQL data modeling
- Cloud deployment and server configuration
- Agile collaboration and stakeholder delivery
- Performance, security, and reliability improvements

PROFESSIONAL EXPERIENCE

Takoradi Technical University

Takoradi, Ghana

Software Developer

September 2020 - September 2021

- Redesigned the admissions portal, driving a 20% increase in applications and 15% faster submission completion.
- Built and maintained the University Library web app, increasing student satisfaction by 25% and reducing reported issues by 20%.
- Optimized the student portal to reduce reported bugs by 30% and improve accessibility for high-traffic academic workflows.
- Co-developed the mobile student portal app, surpassing 5,000 downloads on Google Play Store and increasing student engagement by 25%.

Remotasks

Remote

Data Annotation Specialist

2020 - 2021

- Annotated NLP and computer vision datasets with 98%+ accuracy while following detailed quality guidelines.
- Contributed to AI training workflows that improved machine learning model performance across multiple projects.

SELECTED PROJECTS

Payment and Remittance Features

Designed secure fintech payment workflows, transaction handling, and API integrations for client-facing remittance applications.

Stack: Java, Spring Boot, REST APIs, SQL, Node.js, Jetpack Compose

Inventory and Asset Management Platform

Built database-backed asset tracking workflows, reporting views, and operational controls that improved asset visibility and reduced discrepancies.

Stack: REST APIs, SQL, Node.js, React, cloud deployment

AI Document Chat System

Created a document question-answering platform for faster knowledge retrieval across uploaded files and internal resources.

Stack: GPT-Index, GPT-3.5, APIs, web application development

TopicSimplify

Built and launched an AI-powered research tool that grew to hundreds of active users.

Stack: Next.js, APIs, UX, performance tuning

EDUCATION

BSc. Computer Engineering  
University of Energy and Natural Resources

TOOLS

Git, GitHub, Vercel, Firebase, Azure, GCP, Android Studio, Figma, WordPress, Wix, Notion

LANGUAGES

English - Professional

REFERENCES

Available on request.