

John Kojo AMPIA-ADDISON

Nationality: Ghana

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PROFILE

Highly skilled Software Engineer with a specialization in Cloud Secured Software and Systems Engineering.

Expertise spans key areas including Business Engineering, Web Engineering, Document Engineering, and Database Engineering.

Demonstrated proficiency in developing and implementing:

- Application Monitoring Dashboards
- Application Communication Configuration
- Business Intelligence Solutions

Strong foundational knowledge and practical experience in:

- System Architectures
- Databases
- Logic, Algorithms, and Data Structures

PROFESSIONAL EXPERIENCE

Software Developer and DevOps Engineer | Bundesrechenzentrum (BRZ)

10/2025 - Present

- Deploying Spring Boot and Web Applications to Openshift PaaS
- Second Level Access Management Operation Support
- Setting up metrics, traces, and logs monitoring infrastructure to support operations.
- Designing GitOps deployment and infrastructure as code.
- Confluence documentation of design, approach, and solution.
- **Tech Stack:** Helm Chart, Openshift, Grafana LGTM Stack, Opentelemetry, Git, Kubernetes, ArgoCD GitOps.

07/2024 – 09/2025

- Refactoring and improving core APIs; implementing client change requests.
- Setting up metrics, traces, and logs monitoring infrastructure to support operations.
- Designing GitOps deployment and infrastructure as code.
- Confluence documentation of design, approach, and solution.
- **Tech Stack:** Java 8 & 21, Spring framework, JSP, Javascript, Bash Scripts, SQL, Grafana Stack, Opentelemetry, Docker, DB2, Maven, Kubernetes Kompose.

Freelance - Senior Software Architect and Project Lead (Pro-bono) | Abofonsa Mobile Health Service

03/2022 – 12/2025

- Led development of a Web Application Platform - Portal (General Dashboard, Role Based Dashboards).
- Developed a Near-Real Time communication brokerage platform for a mobile health service.
- **Tech Stack:** Java 17, JHipster Spring Boot Cloud, Microservices, Apache Kafka, Camel, ELK Stack, Grafana, Prometheus, MongoDB, Typescript Angular 17, Maven, Docker, Websocket, JPA, Hibernate, NoSQL.

Freelance - Senior Software Architect and Project Lead | Bedrock Insurance Ghana Limited

08/2020 – 12/2022

- Developed a Web Application comprising dashboards (Operations, Business Admin, Customer) and a public facing website.
- Ensured application was Owasp T10 compliant.
- **Tech Stack:** Java 11, Spring Boot cloud, Netflix Microservices, Spring JWT Security, Websocket, NoSQL, MongoDB, ELK, Apache Kafka, Typescript Angular 10, Prometheus, Grafana.

Freelance - Senior DevOps Engineer / STI Consultant | Accenture

06/2022 – 08/2023

- Application Migration to Openshift PaaS Platform.
- Designed Custom Metrics for SLI and SLO; Monitoring with ELK, Prometheus, and Grafana.
- Developed CI-CD Pipelines with Jenkins; performed performance analysis and improvements.
- **Tech Stack:** Kubernetes Helm, Openshift, Jenkins Groovy, PromQL, Bitbucket, ELK & Opentelemetry on Openshift PaaS.

Freelance - Senior Software Engineer / Fincons Consultant | Swiss Railways (SBB)

11/2021 – 02/2022

- Stabilization and Tooling. Analyzed and improved existing tools for software stability and quality.
- **Tech Stack:** Python 3.9, Jupyter Notebook, Bokeh Visualization, Eclipse RCP, Java

Freelance - Monitoring & DevOps Engineer / T-Systems Consultant | Austrian Railways (ÖBB)

02/2019 – 10/2021

- Ticketshop Operations Monitoring. Built Monitoring dashboards using open source tools, customized extensions, notifications, and alert configurations.
- **Tech Stack:** Elasticsearch, Grafana, Prometheus, PromQL, Kubernetes, Jenkins, Spring Boot Angular, NoSQL, MongoDB, SQL, OracleDB, PostGres DB, Angular.

Systems and Software Engineer | Thales Austria GmbH

01/2013 – 2/2018

- Technology Research, Development Planning, Project Management Assistance, Implementation, Testing, Documentation, and Presentation of state-of-the-art technology use cases.
- **Tech Stack:** ELK Stack, MongoDB, Hibernate, Apache OSGI, MQ, Camel, RedisMQ, XML, JSON, SpringMVC, Java 8, Tomcat 8, TomEE 8, WebSocket, JMS, HTML 5, AngularJS, SCSS, Angular, Maven, JHipster, GeoServer, Cloud Computing.

Software Developer | Secured Business Austria (SBA)

11/2011 – 12/2012

- Converted research work into secure and robust Software Applications.
- **Tech Stack:** ASP.NET, C#, CQRS, JQuery, CSS, Bootstrap, MsSQL Server, NGinX, Tomcat 6, XML, XSLT, Visual Studio.

Software Developer, Operations Support and Ongoing Support / Consultant | Newcon / T-Mobile Austria

12/2009 – 11/2011

- Monitored and oversaw routine operations of the Interconnection Billing Process implementation on Mediation Zone.
- Analyzed and optimized processes; implemented change strategies.
- **Tech Stack:** Java 6, Java Swing AWT, SQL, Oracle DB, PL/SQL, JDBC, MediationZone, Cognos Reporting.

TECHNICAL SKILLS

Application Frameworks: JHipster, Angular NGX, Spring Boot, Spring Cloud Microservice, Spring Security Framework, Spring MVC Framework, Spring Data Flow, Pivotal UAA.

Programming Languages: Java (Expert), Typescript (Expert), Shell Scripting (BASH, SED, AWK) (Expert), Regular Expression (Competent).

DevOps Tools: Docker (Expert), Kubernetes (Expert), Jenkins CI-CD (Expert), Helm Charts (Expert), Ansible (Competent), Terraform (Competent).

Data Streaming & Routing: Apache Kafka (Expert), Apache Camel (Expert), Apache MQ (Expert).

DB - Technologies: NoSQL (Expert), HIBERNATE (Expert).

Databases: Elasticsearch (Expert), MongoDB (Expert), POSTGRES (Expert), Oracle (Expert).

DB - Query Languages: SQL (Expert), PL/SQL (Competent).

Application Monitoring: Grafana (Expert), Prometheus (Expert), Loki (Expert), Tempo (Expert), Kibana (Competent), Elasticsearch (Competent), Logstash (Competent), Jaeger (Competent).

Cloud Computing: Docker (IaaS) (Expert), VMWare Hypervisor Esxi (IaaS) (Expert), Virtual Box (IaaS) (Expert), Cloudfoundry (PaaS) (Expert), OpenShift (PaaS) (Competent), Amazon Web Service (PaaS) (Competent), Google Cloud Compute (PaaS) (Competent), OpenStack (IaaS) (Experienced).

Operating Systems: Linux (Expert), Windows (Expert), Apple OS (Expert).

Methodical Skills: Software Development Processes, Test management, Agile and Extreme programming methodology, Use Case analysis, User Interface Design and Modeling, DevSecOps cloud tooling, Requirements Analysis, Project Management.

EDUCATION

Vienna University of Technology

10/2004 – 06/2010

- Certificates in Information Security, Advanced Information Security, Software & Systems Engineering, Business Engineering, Web Engineering, and Information Technology and Business Information Systems.

Pre-University School of the Vienna Universities

10/2002 – 06/2004

- Certificates in Pre-University School Mathematics, German, and Physics.

Mfantsipim School, Cape Coast Ghana

1993 - 1995 (Advanced Level)

- General Certificate of Education: Mathematics, Geography, Economics, and General Knowledge.
1987 – 1992 (Ordinary Level)
- General Certificate of Education: Mathematics, Advanced Mathematics, English, Physics, Chemistry, Biology, Technical Drawing, Geography.

LANGUAGE SKILLS

- **English:** Native Speaker (Speak, Read, Write)
- **German:** Business Fluent (Speak, Read, Write)
- **Spanish:** Basic (Speak, Read, Write)
- **French:** Basic (Speak, Read, Write)