

Joseph Afriyie Attakorah

Software Engineer with 4+ years of experience in full-stack development and programming language R&D. Adept at building scalable web applications, secure backend systems, and automation tools. Proven track record of collaborating with international teams across Europe and Russia, consistently delivering impactful solutions in dynamic, cross-functional projects.

WORK EXPERIENCE

SOFTWARE ENGINEER | TradeLink Technologies, Remote, Tallinn, **Estonia** | 08/2021 – Current

- Develop and improve core features of TradeLink's crypto trading platform, leading to increased user engagement and performance optimization.
- Optimized backend processes and implemented data optimization strategies to improve response times, meet SLAs, and ensure stability under high traffic conditions.
- Built a Python-based Telegram analytics bot and integrated it with core systems, increasing user engagement by 30%.
- Reduced deployment times by 25% using GitHub Actions and Docker, while proactively monitoring application performance with Sentry and Grafana.
- Architected scalable backend service handling 3,000+ concurrent requests with 99.9% uptime and <100ms response times (verified via Apache Benchmark).

Key Technologies: React, Node, MongoDB, and more.

JAVA DEVELOPER (RESEARCH ASSISTANT) | National Research University Higher School of Economics (Huawei Technologies Co. Ltd.), Moscow, **Russia** | 01/2021 – 10/2021

- Contributed to Eolang's core features and runtime library, enabling efficient code translation and establishing a foundation for language adoption.
- Designed a Java interoperability mechanism for Eolang, enabling seamless cross-language integration.
- Co-authored research articles, including a publication in *Procedia Computer Science*, advancing discussions on programming language development and best practices.

Key Technologies: Java, Maven, latex, and more.

SOFTWARE DEVELOPER | Overcore Technologies, Tema, **Ghana** | 08/2017 – 09/2018

- Designed and maintained web applications using the MEAN stack, implementing CI/CD practices to achieve faster release cycles and improved stability.
- Developed a unique WordPress theme tailored to a client's brand, boosting engagement and providing a scalable content framework.
- Mentored 2 interns, guiding them in web development and CI/CD practices.
- Collaborated with product managers, designers, and QA teams to develop user-centric features for a FinTech web app, improving user experience.

Key Technologies: Angular, Node.js, MongoDB, and more.

EDUCATION

MSc in System and Software Engineering | National Research University (NRU) Higher School of Economics (HSE), Moscow, Russia | 08/2018 – 06/2020

Thesis: A Program for Optical Flow Estimation Based on Deep Learning Approaches

BSc in Computer Science with Statistics | University of Ghana, Accra, Ghana | 09/2012 – 05/2016

CONTACT DETAILS

Email: jaattakorah@gmail.com

LinkedIn: <https://bit.ly/3U2s1c1>

GitHub: <https://github.com/jizzel>

Home Page: <https://attakorah.com>

Location: Accra, Ghana
(open to remote/relocate)

TECHNOLOGIES

Backend: Node.js, Python, Express.js, Nest.js, PostgreSQL, MongoDB, BullMQ, Redis

API & Services: RESTful API design, Microservices architecture, Message queuing

Frontend: React, Redux, Angular, RxJs, NgRx, Tailwind CSS

DevOps & Cloud: Docker, GitHub Actions, GCP, Digital Ocean, Prometheus, Pushgateway, Grafana

Others: Git, Aiohttp, Figma UI design, Kubernetes, Tailwind CSS, Styled components

CERTIFICATIONS

Site Reliability Engineering:
(Coursera, 2020 - Credential ID: LET3Z2X26AEX)

LANGUAGES

English (Native)

Russian (Beginner)

Interest/Hobbies

Table Tennis

Social Media Content Creation

Video Editing

Soft Skills

Strong communicator, effective team collaborator, and experienced mentor with leadership experience in cross-functional teams.