

# ROBERT AYETHEY

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## SUMMARY

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- A vision-driven professional with 2+ years of experience in software engineering and development, influencing business results through strong project leadership, exceptional customer satisfaction and a relentless focus on financial performance.
- A diversely skilled programmer with knowledge across most domains, including web development, game development, and artificial intelligence.
- Highly regarded for consistent ability to apply sound judgement, and emotional intelligence to sensitive, confidential and unpredictable situations.

## EDUCATION

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Bachelor of Science, Computer Engineering, University of Ghana      August 2017 - September 2021  
First Class Honours (GPA: 3.72)  
Named on the Dean's Honour list in 2018.

## EXPERIENCE

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Software Engineer      September 2022 - Present  
Turntabl      *Accra, Ghana*

- Led an Engineering team using Agile to build a micro-service architecture based trading system, utilising RabbitMQ for queues, Redis for pub-sub, web socket, REST using SpringBoot, and Angular.
- Designed and implemented database storage systems to store trading and traders' information using PostgreSQL.

Teaching Assistant      September 2021 - August 2022  
University of Ghana      *Accra, Ghana*

- Taught students Computer Engineering courses by emphasising conceptual understanding of topics.
- Provided one-on-one support to students, resulting in 90% of tutored students achieving a higher than predicted grade.
- Increased class participation by 25% by encouraging student-centered learning.

Software Developer      December 2021 - February 2022  
Agama Africana      *Accra, Ghana (Remote)*

- Prioritized Product Roadmap with developers, aligning the product vision with the market needs and business strategy. Achieved the goal of building a fully-functional website using React, with a blog space powered by strapi within 2 months.

Software Developer      July 2020 - March 2021  
Akaditi Limited      *Accra, Ghana*

- Led UI/UX, Marketing, and Engineering teams using Agile to build an integrated delivery platform, ensuring that a minimum viable product (MVP) was available for production by the end of each sprint.
- Developed a data analysis dashboard for application administrators which helped the clients to increase their sales by 30% while working with cross-functional teams within the company.

## PROJECTS

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Polyticks.

[polyticks.netlify.app](https://polyticks.netlify.app)

- Built an online voting application as a SaaS platform using VueJS, Ruby on Rails, PostgreSQL, and web sockets to manage elections held at schools.
- Over 11,000 people have used it so far, with improvements being added based on clients' feedback.

Timetablr.

[timetablr.ug.edu.gh](https://timetablr.ug.edu.gh)

- Designed and implemented an automated timetable generator application using Constraint Satisfaction Algorithms, resulting in a significant increase in the quality of timetables.
- This application is currently used by the University of Ghana to generate timetables for over 29,000 people.

SokoDelivery.

[soko-delivery-customer.netlify.app](https://soko-delivery-customer.netlify.app)

- Developed a delivery platform that allows various delivery companies to provide services to customers using graph algorithms to find an appropriate actor for a customer's delivery while ensuring that companies make at least 90% profit.

## SKILLS

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Programming	C/C++, Python, Java, JavaScript, Scala, Kotlin, SQL, C#, PHP, TypeScript
Frameworks	SpringBoot, VueJS, ReactJS, Angular, Laravel, NodeJS, Ruby on Rails
Database	PostgreSQL, MongoDB, Redis
DevOps	Docker, AWS
Technologies	Git, Linux, Kafka, RabbitMQ, PWA
Domains	Microservices, REST APIs, CI/CD