Shadrack Ankomahene

ankomaheneshadrack@gmail.com | +233559617959 | linkedin.com/in/shadrack-ankomahene-5a393311a/ | github.com/ankomahene

SUMMARY

Experienced and dedicated software engineer specializing in frontend development, with five years of professional experience. Proficient in HTML, CSS, JavaScript, React, Angular, and TypeScript.

Passionate about problem-solving and driven by excellence, I bring a wealth of expertise and a strong focus on UI/UX to any software development team.

EXPERIENCE

SOFTWARE ENGINEER, Morgan Stanley   *Feb 2020 - Dec 2024*

- Implemented tooling to deploy and manage APIs in Microsoft Azure. Supported workflows to manage API policies, semantic versioning, and validation of OpenAPI specifications.
- Implemented usage dashboard to monitor client's usage of APIs to create further business opportunities. Dashboard features include flexible layouts, interactive charts, and functionality to slice data by client, application, and HTTP response codes. Usage data was pulled from Azure Application Insights.
- Enhanced UI performance by implementing optimization techniques to reduce the number of HTTP requests made by the application. Implemented caching mechanisms to efficiently store and retrieve frequently accessed data, resulting in improved responsiveness and faster loading times for users.
- Developed and implemented a user-friendly self-service tool to streamline the deployment process for APIs and facilitate the validation of Open API specifications, reducing API deployment time by 40% and empowering developers to deploy with ease and accuracy.
- Actively contributed to inner-source libraries written in Angular and Typescript, leveraging my expertise to enhance the functionality and maintainability of these shared codebases.
- Played a key role in improving the efficiency of the CI/CD process by optimizing project pipelines and implementing parallel builds. This significantly reduced build time by 60%, leading to enhanced productivity and faster delivery of software releases.
- Maintained 95%+ test coverage across projects.
- Designed and implemented an API marketplace using React.js and Typescript, enhancing user interaction through intuitive navigation, real-time data updates, and responsive design, resulting in a 25% increase in user engagement.

SOFTWARE ENGINEER, Turntabl Ghana Limited   *Oct 2019 - Dec 2024*

- Developed a robust ETL tool using Python to efficiently process over 7GB of JSON files from the AWS data lake. Implemented a streaming mechanism to convert the files into Optimized Row Columnar (ORC) format, and successfully uploaded them to another S3 bucket using AWS Batch with EC2 instances. These ORC files were instrumental in generating personalized suggestions for users in subsequent service usage.
- Managed a team of three developers, overseeing multiple projects and ensuring efficient assignment of tasks. Conducted code reviews to maintain code quality and adherence to best practices.
- Trained over 50 new hires, improving their proficiency in frontend technologies by 40% as measured by internal assessments. Topics covered in this training included JavaScript, Angular, React, HTML, CSS, TypeScript, and other relevant technologies.
- Organized and facilitated React.js masterclasses for frontend engineers within the firm, delivering valuable insights and hands-on learning opportunities in advanced React.js techniques and best practices.
- Mentored two junior frontend engineers within the company, providing guidance on technical challenges and best practices in frontend development, leveraging my advanced expertise and seniority to foster their professional growth and skill development.

PROJECTS

FMT Design and Print

- **Technologies Used**: React.js, Next.js, React Query, TypeScript, HTML, CSS, Tailwind CSS, Supabase.
- **Description**: Developed a comprehensive e-commerce platform for FMT Design and Print, allowing users to customize and order printed products such as T-shirts, cups, mugs, labels, and more. Implemented features include a dynamic product customization tool, seamless order processing, and responsive design to ensure a smooth user experience across all devices. **Link** https://fmtdesignprint.com/

Dronehub

- **Technologies Used**: Next.js, React.js, React Query, TypeScript, Tailwind CSS, HTML, SCSS, Sanity.io.
- **Description**: Created an informative and interactive platform dedicated to drones, offering users detailed information, reviews, hiring, and purchase options. The project features dynamic content loading, SEO optimization, and a visually appealing layout that enhances user engagement and knowledge sharing about drones. **Link** https://dronehubgh.com/

CSS Glassmorphism Generator

- **Technologies Used**: React.js, TypeScript, Tailwind CSS, HTML, CSS

- **Description**: Built a tool for generating CSS glassmorphism effects, enabling developers to easily create modern and visually appealing UI elements. The generator allows for real-time customization and preview of the glass effect, providing an intuitive and user-friendly interface for both novice and experienced developers.
- **Link** https://uidynamik.netlify.app/glassmorphism

.

For more details on these projects and others,
visit mrshadrack.com

EDUCATION

Bachelor of Education, Computing and Mathematics   *Aug 2015 - May 2019*
UNIVERSITY OF CAPE COAST

SKILLS

Frontend: HTML, CSS, JavaScript, Typescript, React, Next.js, Redux, React query, Angular, Rxjs, sass/scss, Tailwind CSS, bootstrap.
Backend: Java, Python, Nodejs, Typescript
Databases and storage: Postgres, MySQL, Firebase, Supabase, Appwrite, MongoDB, Airtable, CouchDB, S3, Cloudinary.
CMS: Sanity, Contentful, Strapi
APIs and microservices: REST, GraphQL, Spring Boot
Project Management: Git, Jira, Agile
Testing: Jasmine, Karma, Cypress, Jest, React Testing Library
Others: AWS, Azure, Jenkins, Heroku, Travis CI, GitHub Actions, CI/CD.