Shadrack Ankomahene

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SUMMARY

Experienced and dedicated software engineer with a strong focus on frontend development, boasting four years of professional experience. Demonstrating a profound ability to conceptualize and construct responsive web applications, I possess a comprehensive skill set encompassing HTML, CSS, JavaScript, React, Angular, and Typescript.

Moreover, my extensive expertise in UI/UX ensures an exceptional user experience.

My unwavering commitment to problem-solving and an ardent passion for continuous learning and personal growth further fuel my drive for excellence in software development.

EXPERIENCE

SOFTWARE ENGINEER (CONTIGENT), Morgan Stanley   *Feb 2020 - Present*
- 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, empowering developers to deploy with ease and accuracy.
- Actively contributed to inner-source libraries written in Angular and Typescript, leveraging your expertise to enhance the functionality and maintainability of these shared codebases.
- Played a key role in improving the efficiency of the CI/CD (Continuous Integration/Continuous Deployment) process by optimizing project pipelines and implementing parallel builds. This resulted in significantly reduced build times, leading to enhanced productivity and faster delivery of software releases.

SOFTWARE ENGINEER, Turntabl Ghana Limited   *Oct 2019 - Present*
- 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.
- Delivered comprehensive training sessions to approximately 50 new intakes twice per year for two consecutive years. Topics covered in these classes included JavaScript, Angular, React, Java, Python, and other relevant technologies.
- Organized and facilitated frontend masterclasses for engineers within the firm, providing valuable insights and hands-on learning opportunities in cutting-edge frontend technologies.

FRONTEND ENGINEER, Freelance   *Jan 2018 - Present*
- Developed responsive and visually appealing websites or web applications for clients using modern frontend technologies such as HTML5, CSS3, and JavaScript.
- Developed and published an open-source React component library that has gained significant traction, currently being utilized by hundreds of individuals. The library provides reusable and customizable components, enabling developers to accelerate their frontend development processes and enhance the user experience across various projects.
- Collaborated closely with clients to understand their business requirements and translated them into functional and user-friendly frontend solutions.
- Integrated third-party APIs and services to extend the functionality of websites or web applications, enhancing their capabilities and delivering added value to clients.
- Ensured cross-browser compatibility and performed rigorous testing to guarantee optimal performance across different devices and platforms.

PROJECTS

Sample Projects
https://mr-shadrack.netlify.app/

EDUCATION

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

SKILLS

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