

# Koffi Hessou

## Full-Stack Software Engineer

Germantown, MD | 240-543-9872 | [koffiarielhessou@gmail.com](mailto:koffiarielhessou@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

### Skills

- **Programming Languages:** JavaScript(ES6), TypeScript, Python3, Go, HTML5, CSS, Sass/SCSS.
- **Frameworks/Library:** Node.js, Express.js, React, Tailwind, AWS, Redux Toolkit, Chakra Ui, Bootstrap, NextJS, StoryBook, GraphQL.
- **Databases:** MongoDB, MySQL, PostgreSQL.
- **Additional:** DOM manipulation, npm, REST APIs, JSON, JWT, Git, GitHub, Postman, CI/CD, Agile/Scrum, Jira, Confluence, AWS, Next-SEO, React Hooks, Figma.

### Experience

#### Front-End-Developer | Vidovo | Remote | January 2023 - Present

- Tech Stack: Next.js, TypeScript, Tailwind, PostgreSQL, Go, Prisma, Docker, StoryBook, AWS
- I played a pivotal role in the development of a Next.js application by leveraging Storybook and Tailwind CSS. In Storybook, I took the initiative to design and construct reusable components, significantly improving UI consistency and streamlining the development process. Additionally, I collaborated closely with the team to optimize application performance and implement responsive design, ensuring a seamless user experience
- I played a vital role in the development process, making extensive use of Prisma for efficient API data retrieval and management. My contributions ensured seamless data handling and improved the overall project's performance
- I leveraged Next SEO to optimize the on-page SEO elements and improve the search engine visibility of the website. My efforts resulted in enhanced website performance and visibility in search engine results

#### Full-Stack Software Engineer | Bootcamp | Remote | June 2022 - December 2022 [Frontend](#) | [Backend](#)

- Tech Stack: React.js, Redux Toolkit, TypeScript, Sass, Node.js, Express.js, MongoDB/Mongoose
- Collaborated with the UX team and utilized Figma, working in a cross-functional startup team consisting of Software Engineers (SWE), using Agile/Scrum methodology, and coordinating tasks with Jira during weekly sprint-planning sessions
- Developed MERN app features, including User Registration with JWT authentication and Profile Management
- Implemented asynchronous error handling and managed state for authenticated users using Redux store, including user slice.
- Improved code maintainability and performance by updating legacy code to modern Redux Toolkit, Sass, and TypeScript
- Created email verification system with expiring tokens and limited access for unverified user accounts
- Adhered to best practices in version control and ensured code quality through thorough code reviews using Git and GitHub

#### Software Engineer | Cypher VII Hackathon | Remote | March 2022 - April 2022

- Hackathon Winner among 216 participants: [The Scheduler App](#)
- Worked on a team of 4 software engineers to build a calendar system for students at William and Mary's College, using MongoDB and Python for the backend and React, and Next.js for the front-end.

#### Software Engineering Immersive | General Assembly | January 2022 - April 2022

- Designed and deployed fully responsive front-end web applications using HTML, CSS, JavaScript, React, and third-party API integrations.
- Maintained Git workflow for applications by using branches for new features. Reviewed 5-7 pull requests per week to ensure code quality and consistency as part of a 4-person team.
- Learned new technical skills and developed full-stack applications and Restful APIs bi-weekly with full CRUD functionality using MERN stack (MongoDB, Express, React, Node.JS, MVC pattern).

## Freelance Software Engineer | Upwork | January 2023 – Present

- Successfully deployed MERN Single Page Application using OpenAI API to AWS S3 bucket and a serverless hosting site
- Implemented AWS CloudFront Distribution to improve performance and security of the application
- Refactored codebase to improving scalability and maintainability for long-term development
- Configured appropriate scripts and environment variables for both development and production environments
- Participated in pair programming with client to communicate technical and non-technical project details and requirements
- Provided ongoing support and maintenance for software systems and debugging

## Projects

### Issue Tracker | [[Deployed Link Repository](#)]

Built With: React, MongoDB, Express.js, Node, JavaScript, ChakraUI, AWS

- Developed a user-friendly application with secure JWT authentication for seamless login.
- Enabled users to create and manage tickets, collaborate on ideas and solutions, and update ticket statuses with intuitive drag-and-drop functionality, enhancing efficiency and user experience
- Utilized UX/UI best practices to ensure an optimal user interface and overall design

### Book Library: | [[Deployed Link Repository](#)]

Built With: MongoDB, Express.js, React, Node, JavaScript, Bootstrap

- Developed a dynamic virtual Book Library application, empowering users to explore an extensive collection of books through seamless integration with the Google Books REST API..
- Implemented a user-friendly search functionality that allows users to effortlessly find any book of their choice
- Enabled users to curate personalized bookshelves for organizing and managing their favorite books
- Facilitated users to discover new books and gain inspiration by exploring what others are reading

### Mutant Games: | [[Deployed Link Repository](#)]

Built With: MongoDB, Express.js, React, Node, JavaScript

- Collaborated closely with a highly skilled team of 4 engineers to successfully build a comprehensive MERN stack application for video game lobbies.
- Acted as the Git "master," taking on the responsibility of overseeing the codebase and actively reviewing and managing an average of 7-8 pull requests daily.
- Played a key role in ensuring smooth coordination and efficiency within the development team.

### RespoAI: | [[Deployed Link](#)]

Built With: MongoDB, Express.js, React, Node, JavaScript, and ChromeApi

- Seized on a prominent AI trend and swiftly created RespoAI, a game-changing browser extension that addresses the challenge of crafting impactful responses in various digital interactions
- With over 200+ downloads, RespoAI has garnered substantial traction among users, who value its ability to save time and streamline communication processes.

## EDUCATION

### Software Engineering Immersive | General Assembly | [Education](#)

Washington, D.C. | January 2022 - April 2022

CompTIA A+ Certification | CompTIA | Bethesda, MD | 2021

Montgomery College | Computer Science (some) | Germantown, MD | August 2020 - March 2021