

SOLOMON ABOAGYE DACOSTA

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Software Engineer (Mobile Apps, Desktop, Web & Backend) | GH | Public speaker

OBJECTIVE

To touch the zenith of my career by converting my innovative ideas into fruitful results and to work in a cutting-edge competitive industry and challenging work environment to conduce the best of my ability towards the growth and development of the organization.

PROFESSIONAL SUMMARY

I'm an analytical and detail-oriented developer with about four and a half (4.5) years of hands-on experience with software development and integration. Adept at bringing all team members together to reach a common goal on time and under budget. Conceptualizing application solutions with the latest technology, design theory, and a large dose of creativity. Committed to viable and easily functional application solutions for clients and organizations.

EDUCATIONAL BACKGROUND

Kwame Nkrumah University of Science and Technology | <https://knust.edu.gh/>

Bachelor of Science in Computer Science. (2020-2024)

USEFUL LINKS

- LinkedIn: <https://www.linkedin.com/in/solomon-aboagye-011776210/>
- GitHub: <https://github.com/Aboagye-Dacosta>
- Twitter: https://twitter.com/CODE_COSTA

TECHNICAL SKILLS

Major

Mobile apps and Backend development and integration, Flutter framework (Dart), Android SDK, Node.js, Java, API testing with Postman, Google Maps, Firebase SDK, Push Notification, Material Design, Android Architecture Components, Strong understanding of Web services (REST), XML, Data-Binding, Data Structures, Android JetPack Components, Mobile Monetization, TDD,

Experience with Continuous Integration (CI) tools, Strong debugging skills, experienced in third-party APIs integration, etc.

Design Patterns:

MVVM, MVC, Combinator patterns, SOLID

Flutter Packages:

GetX, Http, Cached Network Image, Firebase Core, Messaging, Work Manager, Provider, Google maps and services, Flutter config, Shared preferences etc.

Web App and Backend Development

Node.js (Express JS), MongoDB, MySQL, HTML5, CSS3, JavaScript, Typescript, ReactJS, ReactStrap, GraphQL, React – Redux, Redux Toolkit, Zustand, Bootstrap, Tailwind, Axios , Framer-motion, React-query, React etc.

Node.js Profile:

Experienced and adept Node.js developer proficient in building robust and scalable backend applications using Express.js and an array of essential libraries and tools. Demonstrates a deep understanding of Node.js fundamentals and best practices, delivering efficient server-side solutions.

Express.js Proficiency:

Skilled in utilizing Express.js to develop RESTful APIs and web applications, leveraging its middleware capabilities for streamlined request handling and routing.

Middleware Mastery:

Expertise in integrating middleware such as body-parser for parsing request bodies, multer for handling multipart/form-data, sharp for image manipulation, validator for data validation, helmet for enhanced security headers, morgan for HTTP request logging, and cors for Cross-Origin Resource Sharing (CORS) configuration.

Database Management:

Proficient in working with **MongoDB** using Mongoose, an object data modeling (ODM) library, for seamless interaction with the database, including schema creation, validation, and data manipulation.

Authentication and Security:

Skilled in implementing secure authentication using **bcrypt** for password hashing, **JWT (JSON Web Tokens)** for token-based authentication, and **Passport.js** for flexible authentication strategies and OAuth integration.

Logging and Monitoring:

Experienced in implementing logging mechanisms with **Winston** for structured logging, facilitating application monitoring, debugging, and error tracking.

Additional Skills:

Custom Middleware Development: Proficient in developing custom middleware to address specific application requirements and enhance functionality.

File Upload Handling: Experience in handling file uploads with **multer** for efficient storage and retrieval.

Image Processing: Skilled in utilizing **sharp** for image manipulation, resizing, and optimization within Node.js applications.

Data Validation: Proficient in implementing data validation and sanitization using validator for enhanced security and data integrity.

Cross-Origin Resource Sharing: Experienced in configuring **CORS** middleware for secure cross-origin communication between clients and servers.

Helmet Security Implementation: Proficient in integrating **helmet** middleware to enhance application security by setting various HTTP headers.

Error Handling: Skilled in implementing error-handling middleware to manage and respond to errors gracefully, ensuring application robustness.

Overall, a seasoned Node.js developer with a comprehensive skill set encompassing Express.js development, middleware integration, MongoDB database management, authentication and security implementations, logging and monitoring, and additional functionalities to deliver high-quality, secure, and scalable backend solutions.

React Profile:

Highly experienced and proficient in React application development, utilizing modern stacks and techniques. Possesses a deep understanding of the React ecosystem, including component lifecycle management and the virtual-DOM mechanism for efficient DOM updates.

React Hooks Mastery:

Proficient in utilizing React Hooks for functional components, including:

- useState
- useCallback
- useEffect
- useContext
- useReducer
- useRef
- useMemo

Component Composition:

Skilled in composing components using render props and Higher Order Components (HOC) and compound components for efficient code organization and reusability.

State Management:

Expertise in state management solutions like Redux/Redux-Toolkit coupled with react-reselect and Zustand for efficient and scalable state management.

Routing:

Proficient in implementing routing using React-router-dom for seamless navigation and user experience.

Additional Skills:

- **Loaders:** Experience in implementing loaders for better user experience during asynchronous operations.
- **Actions:** Proficiency in defining and handling actions within React applications.
- **createBrowserRouter:** Skillful in creating browser routers for managing application routes.
- **useActionData:** Efficiently utilizes action data within React components.
- **useLoaderData:** Experience in handling loader data within components.
- **lazy loading:** Implementation of lazy loading techniques for optimizing application performance.
- **useLocation, useNavigation, useNavigate:** Expertise in utilizing various hooks for navigation and route management.
- **useRouteError:** Proficient in handling route errors within React applications.
- **useFetcher:** Skilled in using fetcher hooks for data fetching operations.

Styling:

Proficient in styling React components using Tailwind CSS, Styled components, and CSS modules for enhanced UI/UX.

API Calls:

Experienced in making API calls using both REST (React-query) and GraphQL (Apollo) for efficient data retrieval and management.

Forms:

Proficient in utilizing form libraries like React-hook-forms and React-select for form handling and user input management.

External UI Libraries:

Familiarity with external UI libraries like Reactstrap for rapid UI development and component reuse.

Animations: Framer-motion

Testing:

Proficient in writing unit tests using Jest for ensuring the reliability and robustness of React applications.

Overall, a well-rounded React JS developer with a comprehensive skill set spanning from core React concepts to advanced state management, routing, styling, API integration, form handling, and testing. Adept at delivering high-quality, performant, and scalable React applications

Desktop Development: Electron

Others Tools

An analytical user of GIT version control, Android Studio, Postman, MongoDB Atlas & Compass,

Software Development and Execution method:

Agile development methodology.

EXPERIENCE/PROJECTS

- [Sample Minimalist Bank Management With Html, CSS, and JavaScript](#)
- [Sample Portfolio Page with Html, CSS, and JavaScript](#)
- [Feedback UI for Product Management](#)
- [Sample Dashboard Ui with React JS](#)
- [Chat application with react, nodejs, express server, apollo server, apollo client and graphql](#)
- [check out more over here](#)

INTERESTS

- Mobile applications, microservices, cloud computing, and computer security.
- Teaching and Researching in the field of technology.

HOBBIES

- Reading Motivational books.
- Reading manga
- Watching Anime
- Blogging on tech stacks.