

KIDUS AREGA

Cleared Software Engineer – Developer

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PROFESSIONAL SUMMARY

Software Engineer-Developer with over 7 years of experience in information technology with a specialty in full-stack web development and database development. Self-directed specialist in evaluating, assessing, developing, and implementing websites, applications, databases, and software's alike, while supporting client's needs throughout project life cycle.

Impactful organizational skills with a prowess in cross-functional team communication and leadership. Expertise in software testing, troubleshooting, data analysis, identifying issues while finding effective solutions and providing program development documentation.

TECHNICAL SKILLS AND TOOLS

Programming Languages, Tools, and Software's:

Adobe XD, Figma, Storybook
SDLC, Agile, Jira
Angular, Node, React/React Native, Java
Gerrit, Git, GitHub
GraphQL
HTML, CSS, JavaScript ES15
Jenkins
jQuery, JSON, Node.js
Linux, Unix

MongoDB, MySQL, Postgres, Oracle DB's
NPM, Homebrew
PHP
Postmen
Shell Script
SQL, PL/SQL, Redis
React Router, PM2
Typescript
Webpack, Babel, Rollup

WORK EXPERIENCE

ZFN Consulting, Silver Spring, MD
Software Engineer

June 2020 – January 2024

- Developed web applications using React, NodeJS MongoDB and Shell Script.
- Implemented CSS library such as Bootstrap.
- Developed middleware for express servers to process API requests.
- Implemented Json Web Token to authenticate and authorize user on express servers for internal application.
- Designed and implemented scalable solutions for data storage with the use of SQL databases such as Postgres and MySQL.
- Developed UI/UX interfaces while keeping Web Content Accessibility Guideline (WCAG) standards for internal sites.
- Developed and implemented SQL functions and procedures.
- Deployed applications on AWS S3 Bucket and EC2 instance.
- Configured NGINX to deliver dynamic/static content and to serve as a load balancer.

- Implemented automated tests to ensure code quality and reliability in accordance with best practices.
- Collaborated closely with other developers on projects that required multiple departments and people to complete tasks.
- Developed and integrated CRUD operation for relational database.
- Created Standard Operating Procedures (SOP's) and technical documents for system architecture, components, automation programs, and based on the business requirements and needs.
- Collaborated with Project Managers and Business Analyst (BA) to understand the business design, requirements and needs for the wire-framing in preparation for Federal clients.
- Developed and executed unit tests using Jest to ensure functionality and maintain high code quality.

BAE System, Rockville, MD
Software Engineer

October 2019 – May 2020

- Tailored markup languages such as HTML, CSS Bootstrap, JavaScript, React, and Angular to produce user-friendly interface components for applications by analyzing user requirements.
- Utilized Storybook and Svelte to develop and document UI components, enabling consistent design and efficient collaboration across development teams.
- Pioneered proprietary COTS through evaluation of requirements from stake holders, users, and SSP Project Managers.
- Redesigned and assembled an internal repository to store classified and unclassified NAVY-SSP Documents and a pipeline for access management documentation.
- Designed, assembled, and maintained full-stack web-based applications within an Agile development environment including monthly sprints, daily standups, and monthly scrum meetings.
- Developed UI/UX interfaces while keeping Web Content Accessibility Guideline (WCAG) standards for internal sites.
- Spearheaded the development and maintained custom components and widgets for internal and external client facing proprietary software interface.
- Automate development operations such as code reviews and code deployments through developing and fostering shell script files. Integrated and developed Express REST API services utilizing ExpressJS.
- Created Standard Operating Procedures (SOP's) and technical documents for system architecture, components, automation programs, and based on the client and business requirements and needs.
- Pioneered and assembled and enhanced continuous integration and deployment using Jenkins, Gerrit, Git, and shell scripts while adhering to Change Management/Release Management Protocols.

Eagle Hill Consulting, Federal GSA Washington, DC
Lead Web Developer

March 2019 – April 2019

- Collaborated with Project Managers and Business Analyst (BA) to understand the business design, requirements and needs for the wireframing in preparation for Federal webservices.

- Organized managed and deployed application repositories to AWS.
- Supported team with maintenance of production websites using Federal services, and JavaScript API, while making CIO website mobile friendly.
- Leveraged HTML, CSS Bootstrap, and JavaScript to meet the web application requirements and business needs.
- Continuously uploaded and fostered federal blogs utilizing Markup HTML and CSS.
- Utilize Adobe XD to develop wireframes for the Federal proprietary website to meet the stakeholder requirements.
- Subject Matter Expert (SME) for Chief Information Officer (CIO's) during the Analysis, Design, and development phase of the CIO.gov website.
- Consulted and supported stakeholders with capacity planning for the CIO.gov website.
- Coordinate input from other components in order to design detailed programs and websites.
- Supported less experienced colleagues in identifying, understanding, and resolving programming issues and/or concerns through guidance and fostering.
- Complied with the Web Content Accessibility Guidelines (WCAG) in the design and implementation of the CIO.gov website.

**Flex
Software Developer**

April 2017 – February 2019

- Programed in HTML, CSS, JavaScript, MySQL Java and Node.JS to create appealing responsive websites.
- Utilized JavaScript libraries such as React, Bootstrap and developed user authorization system and appealing responsive applications.
- Developed and updated the Flex internal application.
- Created, modified and improved web page design and layouts.
- Ensured the site followed the brand guidelines and business needs.
- Established and maintained effective risk mitigation procedures.
- Advised internal groups on all issues relating to the web site and best next steps.
- Collaborated with design team to create and enhance HTML templates and wireframes.
- Determined technical needs of the project and ensured it coordinated with specifications and requirements.
- Optimizing web server configurations and scaling web applications
- Connected web applications to the Google Map API and Facebook API.

EDUCATION

UMGC B.S in Information Systems Management – Expected Completion May 2025