SIFUL SIDDIKI

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TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, SQL
- **Frameworks/Libraries:** React.js, Node.js, Express.js, Tailwind
- **Testing:** Jest, Supertest, React Testing Library, Puppeteer, Selenium
- **Databases/Software Tools:** PostgreSQL, NoSQL, Git, Github, Vercel, Vite, Webpack, Docker, RESTful APIs, Jira, Asana, GraphQL, Bcrypt, JWTs, HTML, CSS, SCSS

PROFESSIONAL EXPERIENCE

ShieldQL   Software Engineer   2023 — Present

An npm library for authentication, authorization, and query sanitization of GraphQL requests with over 1000 daily active users

- Utilized React Hooks to improve state management and component logic as well as promote modular and reusable code by enabling functional components to handle state and integrate lifecycle behaviors
- Developed a high-performance Node.js/Express server using middleware, routers, and controllers to create a modular backend structure, improve routing to different parts of the application, and add functionality to the application
- Incorporated JWTs and Bcrypt to implement secure authentication, enhance protection with individualized salts and maintaining persistent session data with cookies
- Leveraged GraphQL for consolidating multiple requests into a single query call reducing the amount of HTTP requests and speeding up applications by over 35%
- Efficiently administered the Asana workspace to facilitate well-organized scrum sprints, foster collaborative teamwork and streamline workflow management
- Optimized Webpack to include minification for production, hot module replacement for development, and plugins and loaders like Babel for browser compatibility and customization

Hitachi Vantara   Quality Assurance Automation Engineer   2022 — 2023

- Led in creating and maintaining white box and black box test suites to enhance software quality and improve testing coverage by 75%
- Integrated Selenium using JavaScript for flexible and user-friendly website automation for both functional and non-functional testing purposes reducing development time by 15%
- Implemented VBA scripts to triage and document test failures, validate veracity of fixes and ensure new regression coverage as necessary

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OPEN SOURCE PROJECTS

Munchy

- Executed extensive back-end testing suites using Jest and Supertest to drive Test-Driven Development (TDD) and optimize the development process by reducing bug tracking time by 50%
- Leveraged the capabilities of the Yelp API to access detailed restaurant information, thereby adeptly retrieving the associated data residing within the database with precision and efficiency

Stride

- Introduced React Router to enhance user experience through conditional component rendering, optimize rendering performance, and minimize network requests within a Single Page Application (SPA) architecture
- Utilized MongoDB with Mongoose for efficient storage and management of user posts to ensure data consistency, seamless requests, and scalability

AlgoSync

- Designed Docker images and created Docker Compose YAML configurations to facilitate the initialization and testing of multiple containers, greatly speeding development
- Deployed a PostgreSQL database with strict schemas to store application data and facilitate concurrent client connections for real-time user state updates, and optimizing user experience through atomicity

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PUBLIC TALKS & ARTICLES

Cloudtech (Amazon Web Services), Jeeny and Bractlet Tech Talk Speaker Series   *2023*
[A GraphQL Security Solution](#)

EDUCATION

Western Governors University   **Salt Lake City, Utah**
Bachelors of Science in Computer Science
Codesmith, Advanced Software Engineering Immersive Residency   **New York, New York**