

Alex Kist

SOFTWARE DEVELOPER

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Objective

Software developer specialized in TypeScript, React & Node.js. Looking to combine my background in industrial engineering with my passion for software development. Communicative & detail-oriented team player experienced with managing cross-functional teams.

Technical Skills

Languages	TypeScript, JavaScript (incl. Node), HTML5, CSS3
Libraries & Frameworks	React, Next.js, Vue, Astro, Express, Bootstrap, Vuetify, Redux, Pinia
Tools & Databases	Git, SASS/SCSS, NPM, SQL, Webpack, jQuery, MongoDB, Postman, Vite
Practices	Unit testing, mobile-first design, UI/UX

Projects

Health & Fitness Application / TypeScript, Vue, Vuetify, Pinia, MongoDB, Express, Node

[HTTPS://LIFTSHARK.ORG](https://liftshark.org) | [HTTPS://GITHUB.COM/AKIST529/GYM-TRACKER](https://github.com/AKIST529/GYM-TRACKER)

- Built Vue.js client and Node.js webserver to log and monitor workout activities
- Used Pinia to manage global state and sync with local storage to persist user data across sessions
- Used Vuetify material UI library for a rich and engaging user experience
- Created RESTful API and retrieved results client-side with MongoDB, Express and Node.js
- Implemented user authorization & authentication to allow for user login/logout functionality across devices

Cocktail Recipe Application / TypeScript, Next.js, Redux, SASS/SCSS, Golang, SQLite, Apache

[HTTPS://MAKEDR.INK](https://MAKEDR.INK) | [HTTPS://GITHUB.COM/AKIST529/COCKTAIL-MIXER](https://github.com/AKIST529/COCKTAIL-MIXER)

- Built a server-rendered drink recipe application with the React-based web framework Next.js
- Worked with a second engineer to send fetch requests to Golang backend connected to SQLite drink database
- Optimized site performance by using Redux Toolkit to cache database queries & minimize fetch calls
- Used optimal data structures to improve search function and cut page load time by 50%
- Performed unit testing on crucial components with the Jest testing framework and React Testing Library

Education Royale Gaming / TypeScript, Next.js, Chakra UI

[HTTPS://EDUCATIONROYALEGAMING.COM/](https://educationroyalegaming.com/) | [HTTPS://GITHUB.COM/AKIST529/EDUCATION-ROYALE-GAMING](https://github.com/AKIST529/EDUCATION-ROYALE-GAMING)

- Built website for a small business using Next.js for fast performance and search engine optimization
- Embraced a mobile-first design approach to provide responsiveness for all possible screen sizes
- Set up CI/CD pipeline to frequently deploy new updates based on new client requests and feedback
- Used Chakra UI to build new accessible React components with speed
- Ran Google Lighthouse reports to find areas for improvement and improve page load speeds

Work Experience

Software Developer / Freelance

- Worked closely with client on UI/UX for small business website to attract investors
- Used Next.js static site generation (SSG) to maximize search engine optimization (SEO)
- Followed semantic HTML standards for accessibility & screen reader compatibility

Chicago, IL
Aug 2023 - Present

Industrial Engineer / Peerless-AV

- Lead continuous improvement initiatives to improve product throughput and reduce quality defects
- Automated packaging process for new LED products using JavaScript, jQuery & Bootstrap
- Extensive use of Asana project management software to manage & oversee validation of new products

Aurora, IL
Sep 2017 - Present

Quality Engineer / Custom Aluminum Products

- Directed quality inspectors to perform first article inspections & isolate defective materials
- Programmed routines for coordinate measurement machines to inspect parts for defects or deviations from specification
- Hosted weekly standups with department leaders to discuss metrics & follow up on corrective actions
- Worked closely with quality auditor to achieve annual ISO 9001 certification

Genoa, IL
Dec 2016 - Sep 2017

Education

B.S. in Industrial & Systems Engineering

NORTHERN ILLINOIS UNIVERSITY

DeKalb, IL