

# Adam Sutton

## Senior Software Engineer

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### Professional Summary

- 10 years of experience as a senior software engineer in using HTML, HTML5, CSS, CSS3, SASS, JavaScript, TypeScript, ES6, React, Vue, Angular, Node, Express, and AWS.
- 10 years of IT experience involved in various stages of the Software Development Life Cycle from requirements gathering, design, enhancement, testing, modelling, analysis, and production as a software engineer.
- Well-versed with JavaScript / React / Vue / Node / Express / MySQL / MongoDB.
- Rich experience with HTML, CSS, and JavaScript.
- Extensive knowledge in developing single-page applications (SPAs).
- Experience in React for creating interactive UIs using One-way data flow, Virtual DOM, and JSX.
- Expertise in designing and developing REST APIs.
- Experience with GraphQL, worked with Apollo GraphQL in Node.js.
- Experience with implementing CI/CD, and docker and familiar with GitHub environments to manage repositories and workflows.
- Experience in Unit Testing frameworks like Jest, Mocha, Chai, and Jasmine Integration Testing.
- Experience in integration of AWS with other applications infrastructure.
- Good experience in CSS pre-processors like Sass, LESS, and Stylus.
- Knowledge of utilizing cloud technologies including AWS.
- Expertise in RESTful, SOAP web services to integrate between Application-to-Application Experience with front-end development with back-end system integration.
- Hands-on experience improving performance issues and SEO issues using creative strategies.
- Experience in Version Control tools like GIT, and SVN for Source Code version management.
- Rich experience with Agile and SCRUM.
- Strong analytical skills, teamwork skills, problem-solving skills, and excellent communication skills, interpersonal skills.

### Skills

- **Front End Development**  
Semantic HTML5 | CSS3 | media queries | animations | Photoshop | SEO
- **React**  
JSX | Hooks | Material UI | React Context | Styled Component | Redux | Next.js
- **Vue/VueX/Nuxt.js**
- **Angular/ngrx**
- **Spring Boot**
- **SCSS/Sass/Less/Stylus**
- **JavaScript, ES6+, C/C++, TypeScript, React Native, Python, PHP, Java**

### Professional Experience

**Senior Software Engineer**, ArcTouch, San Francisco, CA Nov 2020 – May 2023 (Remote)

- Worked with a team to develop and launch a Node.js-based e-commerce platform, utilizing technologies such as Stripe for payment processing and SendGrid for email notifications
- Implemented real-time communication and data streaming capabilities in a Node.js-based chat application using WebSockets and Socket.io
- Collaborated with team members including web designers, QA testers, and developers
- Worked with NPM commands and using package.json for managing dependencies and dev dependencies of Node JS applications
- Built and deployed a RESTful API using Node.js, Express, and MongoDB to power the backend of the e-commerce application mentioned above
- Utilized Node.js streams to improve performance when handling large amounts of data
- Implemented user authentication and authorization using JSON Web Tokens (JWT) and bcrypt
- Worked with a team of developers to implement features such as product search and reviews using Node.js and MongoDB
- Created the platform from the ground up through NodeJS, and PostgreSQL in a client-server architecture

<ul style="list-style-type: none"> <li>• <b>UI/UX</b></li> <li>• <b>npm &amp; yarn</b></li> <li>• <b>Unit &amp; Integration Testing</b> Jest, Enzyme, Cypress, React Testing Library, Mocha, Jira, Jasmine, Chai</li> <li>• <b>Debugging</b></li> <li>• <b>CSS Frameworks/Libraries</b> Bootstrap 4, MUI, Tailwind, Ant</li> <li>• <b>Responsive Design</b></li> <li>• <b>SQL, Oracle, PostgreSQL, MongoDB</b></li> <li>• <b>CI/CD</b></li> <li>• <b>GraphQL</b></li> <li>• <b>Docker and Kubernetes</b></li> <li>• <b>Node.js, Express.js</b></li> <li>• <b>AWS, Azure, Micro Services</b></li> <li>• <b>RESTful APIs</b></li> <li>• <b>Sketch</b></li> <li>• <b>Figma</b></li> <li>• <b>Software Development and Architecture</b></li> <li>• <b>Performance Optimization</b></li> <li>• <b>Knowledge of SEO</b></li> <li>• <b>Troubleshooting and Quality Control</b></li> <li>• <b>Source and Version Control: Git, GitHub, Bitbucket, SVN</b></li> <li>• <b>Agile Processes</b></li> <li>• <b>Scrum methodology</b></li> <li>• <b>Cross-Functional Collaboration</b></li> <li>• <b>Front-End and Back-End development</b></li> <li>• <b>Flask</b></li> <li>• <b>Socket.io</b></li> <li>• <b>Strong Analytical skills</b></li> <li>• <b>Good Communication and Interpersonal skills</b></li> <li>• <b>Creative thinking skills</b></li> <li>• <b>Decision-making skills</b></li> <li>• <b>Problem-solving skills</b></li> </ul>	<ul style="list-style-type: none"> <li>• Worked with NPM commands and using package. json for managing dependencies and dev dependencies of Node JS applications.</li> <li>• Integrated RESTful APIs written in Express for getting data sets stored in MongoDB</li> <li>• Architected and built web applications that were both performant and maintainable using NodeJS, Express, MongoDB, and REST API</li> <li>• Hands-on experience with Cognito, amplify, EC2, ECS, ELB, S3, RDS, SNS, SES, Lambda, Storage Gateway, Dynamo DB and Auto scaling in AWS</li> <li>• Deployed and managed multiple web applications using AWS Elastic Beanstalk and EC2 instances</li> <li>• Utilized AWS S3 to store and manage user-generated content such as images and videos</li> <li>• Implemented serverless functions using AWS Lambda to handle background tasks such as image processing and email sending</li> <li>• Utilized AWS DynamoDB to store and retrieve data in a scalable and efficient manner</li> <li>• Monitored and troubleshoot applications using AWS CloudWatch and X-Ray</li> <li>• Build Kubernetes on AWS with Route53 from scratch</li> <li>• Developed the UI pages using React, HTML5, CSS3, JavaScript, and Bootstrap</li> <li>• Improved application performance and speed with React trending technologies such as React hooks, HOCs, Redux</li> <li>• Optimized the application's performance by using Lazy loading and Virtualization</li> <li>• Developed Single Page Application (SPA) based on React and Bootstrap frameworks.</li> <li>• Developed numerous marketing programs (logos, brochures, newsletters, and advertisements) and guaranteed that they exceeded the expectations of our clients with Figma and Photoshop</li> <li>• Developed single page application leveraging TypeScript in React</li> <li>• Spearhead end-to-end web development using React to build front-end architecture, and user interface, using an iterative Scrum-based approach</li> <li>• Maintained states in the stores and dispatched the actions using Redux, Redux-Saga</li> <li>• Integrated Redux and Context API for state management</li> <li>• Developed high traffic, responsive web applications utilizing JavaScript, HTML5, CSS3, AJAX, React, Redux, React Hooks</li> <li>• Developed and maintained a large-scale e-commerce web application using React and Redux for state management</li> <li>• Created reusable components and implemented them in different pages of the application</li> <li>• Used React hooks and worked with state management using Redux</li> <li>• Utilized React Router to handle client-side routing and improve the overall navigation of the application</li> <li>• Worked with React Router for client-side routing and Axios for making API calls for Rest APIs</li> <li>• Had experience in working with CSS preprocessors such as SASS and LESS to style the component</li> <li>• Worked with Git for version control and had experience in working in a team environment following Agile development methodologies</li> <li>• Wrote unit tests for the React components using Jest and Enzyme</li> </ul>
<b>Full Stack Engineer, Paylocity, Chicago, IL</b>	<b>Nov 2018 – Oct 2020</b>
<ul style="list-style-type: none"> <li>• Developed front-end UI using HTML5, CSS3, JavaScript, jQuery, jQuery plugins, Bootstrap JSON, React</li> <li>• Used React hooks such as useState, useEffect, useSelector, and useDispatch</li> <li>• Built reusable components and had a strong understanding of component lifecycle</li> <li>• Implemented the application's UI using component-based architecture in React</li> <li>• Managed the application's state using Redux and integrating it with the React components</li> </ul>	

- Worked with a team of developers to implement features such as product filtering, sorting, and pagination using React hooks.
- Collaborated with the design team to ensure the application's UI was responsive and accessible
- Had opportunity to work on a project where we migrated an existing Angular application to React
- Implemented responsive design using CSS Grid and Flexbox to ensure optimal user experience on all device sizes
- Worked in agile sprints building new features and enhancing existing areas of our tools using Next, React.js, MySQL, AWS, and Web3
- Worked on an internal app for obtaining the survey ID using React/TypeScript & REST API
- Managed state globally with React hooks/Redux/Redux toolkit/Context API
- Worked closely with the Product team to deliver quality features in high-quality code and best practices
- Implemented form validation features, creating custom Angular services to query data from back-end API
- Implemented workflows of authentication and authorization using AWS Cognito
- Collaborated with web designers, Backend developers, and UX designers to build, design, test and improve web products.
- Improved data fetching by leveraging GraphQL capabilities to narrow a set of queried fields
- Closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments
- Contributed to the development of technical project documentation and user documentation

**Back End Engineer, Red Ventures, Chicago, IL**

Mar 2016– Oct 2018

- Developed responsive client-side applications to integrate with server-side using JavaScript, jQuery, AngularJS, NodeJS, Vue.js, and Bootstrap
- Developed a tour booking website in Angular and NodeJS
- Designed and edited templates for Angular framework
- Programmed user interfaces and front-facing functionality based on design mockups
- Developed and maintained critical components of the e-commerce website, including the shopping cart, quick view, and checkout page, using React components
- Contributed unit & integration tests to existing projects to ensure the functionality of the application operates as expected
- Designed, developed, and maintained websites utilizing HTML, CSS, and JavaScript libraries and frameworks such as React and Next.js
- Used React-Router to turn an application into Single Page Application
- Created reusable UI components with React/TypeScript and SCSS
- Refactored existing codebases to improve efficiency
- Developed interactive features of social media web application and contributed creative ideas to the improvement of the platform, most of which were accepted and applied
- Reviewed and improved old UI to help establish a consistent design system that strengthened brand identity
- Used Middleware, Redux-Saga in application to retrieve data from Back-End
- Spearheaded the creation of an open-source, reusable UI component library in conjunction with the design team to accelerate the development of React applications
- Collaborated with the Agile product team on the redesign of the customer-facing website to include new front-end technology and modern JavaScript functionality, increasing the UX task success rate by 28%

**Front End Engineer, Block, Chicago, IL**

Jul 2013 – Feb 2016

- Fixed a bug that reduced user complaints on the library website by 36%
- Demonstrated expertise in creating architecture blueprints and detailed documentation
- Built a feature that improved click-through rate of website by 22%
- Facilitated in development of User Interface using HTML/HTML5, CSS/SCSS, JavaScript and jQuery, AJAX, JSON, PHP
- Used React-Router to turn application into Single Page Application
- Responsible for React UI and architecture
- Building components library, including Tree, Slide-View, and Table Grid
- Experience in RESTful web services to integrate between Server side to Client Side
- Served as a friendly, hardworking, and punctual employee

## Education

Bachelor of Science at The University of Chicago  
Jun 2009 – Jun 2013

## Language

English: Native