

Adam Sutton

Senior Software Engineer

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Professional Summary

A skilled and experienced Senior Software Engineer with over a decade of extensive hands-on experience in Software Development. After completing my Bachelor of Science in Computer Science, I have successfully managed and co-developed excellent applications.

I am a team player, and excellent communicator. I have great interpersonal skills with a remarkable ability to work Independently pressure.

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**
- **SCSS/Sass/Less/Stylus**
- **JavaScript, ES6+, TypeScript**
- **UI/UX**
- **npm & yarn**
- **Unit & Integration Testing**
Jest, Enzyme, Cypress, React Testing Library, Mocha,
Jira, Jasmine, Chai
- **Debugging**
- **CSS Frameworks/Libraries**
Bootstrap 4, MUI, Tailwind, Ant
- **Responsive Design**
- **SQL, Oracle, PostgreSQL, MongoDB, MySQL**
- **CI/CD**
- **GraphQL**
- **Java / Spring Boot**
- **Wordpress / Joomla / Magento**
- **PHP / Laravel / CakePHP**
- **MacOS, Linux, Windows**
- **Docker / Kubernetes / Terraform**
- **Node.js, Express.js**
- **AWS, Azure, Micro Services, GCP**
- **RESTful APIs**
- **Sketch**
- **Figma**
- **Software Development and Architecture**
- **Performance Optimization**
- **Knowledge of SEO**
- **Troubleshooting and Quality Control**
- **Source and Version Control: Git, GitHub, Bitbucket, SVN**
- **Agile Processes**
- **Scrum methodology**
- **Cross-Functional Collaboration**
- **Front-End and Back-End development**
- **Flask**
- **Socket.io**
- **Strong Analytical skills**
- **Good Communication and Interpersonal skills**
- **Creative thinking skills**
- **Decision-making skills**
- **Problem-solving skills**

Professional Experience

Senior Software Engineer, ArcTouch, San Francisco, CA

Nov 2020 – Apr 2023 (Remote)

- Improved application performance and speed with React trending technologies such as React hooks, HOCs, Redux
- Developed single page application leveraging TypeScript in React
- Spearhead end-to-end web development using React to build front-end architecture, and user interface, using an iterative Scrum-based approach
- Maintained states in the stores and dispatched the actions using Redux, Redux-Saga
- Migrated Vue2.0 to Vue3.0 using composition APIs and TypeScript
- Developed UI components for a Content Management System using Vue.js and TailwindCSS

- Used Vuex as global state management library to share states between the components and avoid props drilling
- Replaced correct Vue directives for the correct situation
- Structure scalable codebase using React/Vue, manage states using Vuex/Redux/ContextAPI
- Wrote unit tests for the React components using Jest and Enzyme
- Worked with using Axios, Fetch to make API calls, and GraphQL
- Collaborated with team members including web designers, QA testers, and developers
- Built and deployed a RESTful API using Node.js, Express, and MongoDB to power the backend of the e-commerce application mentioned above
- Designed and implemented a microservices architecture using Cloud Functions and App Engine, which handled 1 million daily active users and achieved 99.99% uptime
- 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
- Developed and maintained a web application using Java, Spring Framework, and Hibernate
- Designed and implemented RESTful APIs using Java and Spring Boot
- Worked on a project that involved integrating Java with databases and third-party APIs
- Developed an e-commerce platform using Java, JSP, and Servlets
- Optimized SQL queries, created indexes, and implemented performance tuning techniques on Oracle DB, resulting in significant improvements in query execution time and overall system performance
- Improved the performance of a Java application by optimizing database queries and implementing multithreading
- Created the platform from the ground up through NodeJS, and PostgreSQL in a client-server architecture
- Integrated RESTful APIs written in Express for getting data sets stored in MongoDB
- Architected and built web applications that were both performant and maintainable using NodeJS, Express, MongoDB, and REST API
- Hands-on experience with Cognito, amplify, EC2, ECS, ELB, S3, RDS, SNS, SES, Lambda, Storage Gateway, Dynamo DB and Auto scaling in AWS
- Deployed and managed multiple web applications using AWS Elastic Beanstalk and EC2 instances
- Utilized AWS S3 to store and manage user-generated content such as images and videos
- Implemented serverless functions using AWS Lambda to handle background tasks such as image processing and email sending
- Utilized AWS DynamoDB to store and retrieve data in a scalable and efficient manner
- Monitored and troubleshoot applications using AWS CloudWatch and X-Ray
- Built Kubernetes on AWS with Route53 from scratch

Full Stack Engineer, Paylocity, Chicago, IL

Nov 2018 – Oct 2020

- Worked in agile sprints building new features and enhancing existing areas of our tools using Next, React.js, MySQL, AWS, and Web3
- Developed and maintained website content using WordPress CMS, including creating custom themes and plugins, and managing website backups and updates
- Improved Java-based application performance by implementing caching mechanisms and optimizing SQL queries
- Worked on a team responsible for developing and maintaining a Java-based order management system
- Created custom PHP modules to improve website functionality and user experience
- 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
- Developed and maintained a Java-based data analytics platform using Apache Spark and Hadoop
- 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

- Implemented real-time communication and data streaming capabilities in a Node.js-based chat application using WebSockets and Socket.io
- Worked with NPM commands and using package.json for managing dependencies and dev dependencies of Node JS applications
- Created a PHP-based e-commerce platform that increased online sales by 30%
- Developed and maintained PHP-based web applications using Laravel framework
- Developed of a new Java based e-commerce platform, resulting in increased sales and revenue
- 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
- Integrated RESTful APIs written in Express for getting data sets stored in MongoDB
- Architected and built web applications that were both performant and maintainable using NodeJS, Express, MongoDB, and REST API
- Developed responsive client-side applications to integrate with server-side using JavaScript, jQuery, NodeJS, Vue.js, and Bootstrap
- 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

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, CSS, 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

Education

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

Language

English: Native