

Jason Toth

Senior Software Engineer

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PROFILE

Experienced Senior Software Engineer with over 13 years of expertise in developing scalable software solutions across healthcare, marketing, and cybersecurity industries. Proficient in React.js, Angular, ASP.NET, C#, AWS, and Azure, with a strong background in building secure RESTful APIs, deploying microservices, and implementing serverless architectures. Skilled in Redux, Node.js, Web3.js, and RxJS, with hands-on experience in CI/CD processes, backend integration, and cloud infrastructure management. Known for driving high-performance application development, optimizing user experiences, and ensuring security and compliance across all stages of the development lifecycle. Passionate about mentoring teams and leading continuous improvement in software practices.

SKILLS

Frontend	JavaScript/ES6, TypeScript, SCSS, LESS, Sass, ReactJS, Redux, RxJS, React Native, Next.js, Angular 2+, Vue, D3.js, RESTful API, GraphQL, Firebase, Bootstrap, Tailwind CSS, Material UI, Ant Design, XML, SEO, Socket.io
Backend	ASP.NET Core, ASP.NET MVC, C#, Node.js, WCF, LINQ, Java, C#
API	RESTful APIs, Web API, GraphQL, Web3.js, Axios
Cloud	AWS (EC2, S3, Lambda, Route 53, CloudWatch), Azure (App Services, Functions, Key Vault, Active Directory)
Serverless Architecture	AWS Lambda, Azure Functions
State Management	Redux, Redux-Thunk, Redux-Saga, Reactotron
CI/CD & DevOps	Git, GitHub, GitLab, Jenkins, Azure DevOps, NPM, Angular CLI
Testing & Debugging	Mocha, Chai, Sinon, Jest, JMeter, Postman

EDUCATION

Colorado College | Bachelor's Science, Computer Science | 08/2008 – 05/2012

PROFESSIONAL EXPERIENCE

Birlasoft | Apr 2022 – Present | West Sacramento, CA, USA

Lead Software Engineer

Industry: Healthcare(CVS Health) | **Project:** California Medicaid Enrollment and Provider Portal

- Developed responsive Single Page Applications (SPAs) using React.js and Angular 15/16 to streamline the Medicaid provider enrollment experience.
- Used Redux, Reactotron, and DevTools for efficient state management and debugging.
- Built and maintained scalable backend services using ASP.NET, C#, and Web API, while supporting legacy components in WCF to ensure backward compatibility.
- Designed and tested secure RESTful APIs to support data exchange between frontend apps and MMIS systems, ensuring performance and compliance.
- Deployed backend services to AWS, leveraging EC2, S3, Route 53, and CloudWatch for infrastructure, hosting, monitoring, and logging.
- Implemented Axios for efficient client-server communication within React and React Native applications.
- Managed front-end dependencies with NPM, Angular CLI, and TypeScript.
- Partnered with DevOps teams to align CI/CD processes and ensure reliable integration between front-end, back-end, and cloud infrastructure on AWS.

One10 | Jan 2021 – Mar 2022 | Minnetonka, MN, USA

Senior Full Stack Engineer

Industry: Marketing & Finance | **Project:** Sales Performance & Incentive Management Platform

- Developing a core enterprise-grade platform to handle real-time transaction processing, fraud detection, payment reconciliations, and compliance reporting for retail banking, credit card, and mortgage divisions.
- Worked on Redux with React Native to handle large chunks of data for the better performance.
- Used Middleware, Redux-thunk in application to retrieve data from Back-End and to also perform RESTFUL services.
- Integrated smart contract to the frontend using web3.js.
- Created ASP.NET MVC architecture, ASP.NET Web Forms, LINQ queries and WCF.
- Used Node Package Manager (NPM) to install libraries like angular-cli, typescript etc., which are required for developing an angular application in Node.
- Applied redux middleware using redux-promise, redux-thunk and redux-saga.
- Enjoyed developing and extending React, Vue, and Angular projects.
- Spearheaded the development of scalable, serverless applications utilizing AWS Lamda, resulting in a 40% reduction in operational costs

and a 30% increase in application performance.

Sunflower Bank | Jun 2018 - Dec 2020 | Dallas, TX, USA

Senior Software Engineer

Industry: Banking / Financial Services | **Project:** Asset-Based Lending Platform

- Developed and maintained a responsive, user-friendly Angular front-end for digital banking and loan management portal, enhancing accessibility and usability across desktop and mobile platforms.
- Built secure and scalable backend services using ASP.NET Core and C#, exposing RESTful APIs to support online banking workflows and third-party financial integrations.
- Integrated Azure App Services, Azure Functions, and Azure Key Vault to enable scalable, serverless operations and ensure secure credential management within core banking services.
- Implemented authentication and authorization using Azure Active Directory (AAD) with role-based access control (RBAC) to safeguard customer and account data.
- Utilized RxJS and Angular reactive forms for dynamic form rendering, data validation, and handling complex customer onboarding and transaction workflows.
- Collaborated with DevOps teams to deploy microservices and UI components via Azure DevOps pipelines, streamlining delivery across QA, UAT, and production environments for critical banking systems.

Tehama Technologies | Aug 2016 - May 2018 | Ottawa, Ontario, Canada

Software Test Engineer

Industry: Cybersecurity | **Project:** Tehama Secure Virtual Desktop Platform

- Spearheaded the design and development of automated test scripts for Node.js backend services, utilizing testing frameworks such as Mocha, Chai, and Sinon to ensure robust API functionality and performance.
- Built and maintained comprehensive test cases for JavaScript and Node.js APIs, ensuring high code quality and performance.
- Optimized continuous integration (CI) pipelines by integrating automated tests into GitHub and Jenkins, enabling quick feedback cycles and reducing manual testing efforts across multiple environments.
- Collaborated with backend developers to optimize API testing for secure virtual desktop environments.
- Performed unit, integration, and end-to-end testing to verify backend functionality and security compliance.
- Utilized JavaScript frameworks like Jest to run comprehensive tests, reducing manual testing efforts.
- Conducted rigorous performance testing using Apache JMeter, identifying performance bottlenecks in Node.js services and implementing solutions to improve the platform's scalability and response times.
- Supported the implementation of best practices in test-driven development (TDD) to ensure the development of reliable and maintainable code, increasing code coverage and reducing regression bugs.
- Worked alongside security teams to ensure the backend services complied with industry security standards by running vulnerability assessments and testing for potential security flaws, ensuring the Tehama platform was robust against external threats.

Personal Project | Oct 2015– Jul 2016 | United States

Frontend Engineer

- Engineered e-commerce platform with seamless checkout and multi-vendor capabilities.
- Applied Oriented Programming techniques to track UI components being added to DOM and to change the behavior of framework methods.
- Maintaining newly developed and legacy systems mission-critical external web app applying knowledge of AWS, Apigee, Camunda and Jenkins
- Used High-Order Component to improve component reusability.
- Created and injected Spring services, Spring controllers, and DAOs to achieve dependency injection and to wire objects of business classes.

Infinite Computer Solutions | Feb 2013 - Sep 2015 | Rockville, MD, USA

Frontend Developer

Industry: Healthcare | **Project:** Claims Workflow System

- Developed websites for several kinds of industries by using MERN, MEAN, MEVN stack.
- Experience in using solidity, web3, metamask, truffle, geth, Ethereum smart contracts.
- Developed/Design the application using WAMP (Windows, Apache, MySQL5, and PHP) architecture using Laravel Framework.
- Focused on improving responsibility and problem-solving skills cooperating with project managers.
- Integrating with third-party services and external APIs as a part of implementation of the high-profile customers-facing portal adopting an improved way of reports producing amongst different solutions and mitigating the code duplicity by 60%

ClearDATA | Aug 2012 - Jan 2013 | Austin, TX, USA

Customer Service Technical Support

Industry: Healthcare | **Project:** HIPAA-Compliant Cloud Support

- Provided technical support for healthcare clients using HIPAA-compliant cloud services, assisting with infrastructure, access, and service-related issues.
- Troubleshoot and resolved technical incidents in a fast-paced environment, ensuring customer satisfaction and adherence to service-level agreements (SLAs).