

Summary — With over 5+ years of experience in developing web pages and user interfaces using HTML5, CSS3, SASS, JavaScript, Angular 11+, React, Redux, NodeJS, and Bootstrap. Adept in web application development using Spring, Hibernate, SOAP, RESTful APIs, and Google Web Toolkit (GWT). Proficient in React, utilizing features like components, lifecycle methods, and state management using Flux and Redux architectures. Experienced in all phases of SDLC and Agile methodologies. Expertise in DOM manipulation, debugging with Developer Tools, and cross-browser styling. Hands-on experience with Spring Boot, Spring Cloud, Docker, and Microservices. Proficient in MongoDB, and JWT for secure user authentication. Experienced with Angular components, services, and routing. Developed data visualizations using D3.js. Integrated CI/CD pipelines with Jenkins and GitHub Actions. Knowledgeable in cloud services including AWS (EC2, S3, RDS) and Azure (App Services, SQL Database, DevOps).

Skills

Languages	Java script, Type script, Java, C++ , C	Web Technologies	HTML5, CSS3, JQUERY, XML, JSON, Ajax, Web API, WordPress
Frontend	ReactJS, Angular 11+, Bootstrap, Redux	Tools and Platforms	Docker, AWS, Azure, Jenkins, Kubernetes, Git, GitLab, GitHub, Jira, Webpack, Babel, NPM, Yarn, Gulp, Grunt, Kafka
Backend	NodeJS, Spring Boot, JDBC, MVC	Testing Tools	Jest, Karma, Protractor
Database	MongoDB, MySQL, NoSQL		
Data Visualization	D3.js, High charts, Timeline charts		
Debugging Tools	Firebug, Chrome Developer Tools		
Designing Tools	Adobe Photoshop CS5, Figma, Draw.io		

Experience

Western Michigan University, MI

Sep 2023 – April 2024

Student Web Developer

- Developed and maintained the university's official website using React and WordPress, enhancing user experience and accessibility for over 10,000 daily visitors.
- Developed custom WordPress themes and plugins to meet departmental needs, significantly improving the site's functionality and flexibility, resulting in faster implementation of new features and updates.
- Integrated third-party APIs for dynamic content updates, including course catalogs and event calendars, providing real-time information to students and staff.
- Led the migration of legacy content from an outdated CMS to WordPress, ensuring data integrity and minimal disruption to site functionality during the transition.
- Developed responsive web designs using CSS frameworks like Bootstrap and Tailwind, ensuring compatibility across desktop, tablet, and mobile devices.
- Managed version control and deployment processes using Git and GitHub, maintaining a clean codebase and seamless integration with development and production environments.
- Implemented SEO best practices and collaborated with the digital marketing team to improve search engine rankings, increasing organic traffic by 40
- Monitored website analytics using Google Analytics and other tools to track user behavior and site performance, informing data-driven decisions for continuous improvement.

Eunimart, CA

Oct 2020 – Dec 2022

Software Developer

- Led the design and development of both frontend and backend components using Java, ReactJS, and Angular 11+, delivering comprehensive solutions from concept to deployment, adhering to modern development standards
- Successfully integrated Babel to transpile modern ES6+ JavaScript into backward-compatible versions, ensuring cross-browser functionality and a seamless user experience across all platforms
- Implemented React Material-UI components for a critical Cable metric project and developed modular Angular components to enable seamless integration and reusability across multiple eCommerce applications.
- Developed a robust Redux architecture for ReactJS state management and utilized NgRx for efficient Angular state management, managing global states, and creating reducers, actions, and stores for scalable applications.
- Developed reusable ReactJS components (React Router, React-Slider, React-Grid) and Angular components (navigation bars, dropdowns, forms) to enable dynamic routing and UI animations across different projects.
- Architected a micro-frontend solution using both React.js and Angular, enabling modular, scalable web applications and facilitating independent deployment of components across multiple web applications.
- Developed Progressive Web Applications (PWAs) using Angular Service Workers to enhance offline capabilities and loading speed, improving user engagement and reducing load times by 30
- Partnered with UX teams to design and implement UI architectures, developing wireframes and mockups, and translating them into fully functional web interfaces using HTML5, CSS3, JavaScript, React, and Angular.

- Built scalable and efficient web applications using Node.js, leveraging its non-blocking, event-driven architecture to handle multiple simultaneous connections and improve application performance.
- Designed RESTful API endpoints for seamless backend integration, optimized resource representations, and documented APIs using Swagger/OpenAPI, enhancing transparency and developer collaboration.
- Developed Spring Boot-based microservices, integrating RESTful APIs with Hibernate and Spring Data JPA for efficient data management. Achieved scalability and flexibility through microservice architecture and Docker deployment.
- Integrated WebSocket-based authentication mechanisms in both ReactJS and Angular applications, providing secure, real-time user authentication for dynamic web applications.
- Automated software development pipelines using Jenkins, Git, Docker, and Kubernetes, implementing CI/CD practices for efficient build, test, and deployment processes across ReactJS, Angular, and Java applications.
- Integrated Jest and Mocha testing frameworks for React, and Karma/Jasmine for Angular, into CI/CD pipelines, automating unit and integration tests, reducing deployment errors by 25
- Deployed applications on AWS and Azure, using services like EC2, S3, and Azure App Services to build and manage scalable applications. Set up monitoring with AWS CloudWatch and Azure Monitoring for performance tracking and reliability.
- Proficient in using Postman for API development and testing, ensuring seamless integration and functionality of backend services.

Eunimart, CA

Aug 2018 – Oct 2020

Software Engineer

- Extensive experience working with frameworks like ReactJS, Redux, Angular 11+, NodeJS, and Bootstrap, along with debugging tools (Chrome Developer Tools, Firebug), and code versioning tools (Git, GitLab, GitHub) to ensure smooth development workflows.
- Developed and managed complex ReactJS UI architecture, including the creation of reusable components and custom HTML tags. Utilized React's Virtual DOM for optimized rendering, while employing Redux for efficient global state management, ensuring predictable state updates across complex application flows.
- Led the development of full-stack web applications using Node.js and React.js, integrated with Redux to maintain consistent state across client-side components, enabling seamless communication between front-end and back-end services.
- Implemented lazy loading strategies in Angular to optimize application performance, enhancing load times and improving user engagement by loading components on demand. Utilized Redux to manage complex states and ensure scalability throughout the application.
- Integrated Hibernate Validator into React.js forms to enforce data constraints and improve validation processes, ensuring reliable and secure data handling.
- Designed and implemented RESTful APIs and microservices using Node.js, facilitating seamless communication between front-end and back-end services while ensuring optimal performance and responsiveness for high-traffic applications.
- Developed business rules and workflows using Java/Spring Framework, leveraging object-oriented principles like inheritance and polymorphism to create modular, reusable, and maintainable codebases.
- Integrated backend services with relational databases using JDBC and ORM frameworks (like Hibernate), writing efficient SQL queries and managing data operations for various applications.
- Architected and implemented serverless solutions using AWS Lambda to handle backend logic for React.js applications, integrated with Redux for centralized state control across cloud-based applications, ensuring cost-effective and scalable cloud-native solutions.
- Dockerized microservices and deployed them in Kubernetes clusters, ensuring consistent environments across development, testing, and production, while utilizing Jenkins pipelines for CI/CD automation.
- Configured MongoDB sharded clusters with replica sets across multiple AWS regions, ensuring data redundancy, high availability, and fault tolerance.
- Developed and integrated micro-frontends with CI/CD pipelines, automating the build, test, and release process, which facilitated rapid feature delivery and minimized downtime.
- Developed secure Web APIs using SQL Azure and Azure Tables, and set up S3 cloud deployments and EC2 instances to handle load balancing and code deployment for large-scale applications.
- Implemented monitoring and alerting using AWS CloudWatch to track key performance metrics and ensure the availability and reliability of cloud-deployed applications.

Education

Western Michigan University

Jan 2023 – June 2024

Masters in Computer Science (Cybersecurity)

Madanapalle Institution of Technology and Science

Aug 2016 – Aug 2020

Bachelor of Technology in Computer Science and Engineering

Certifications

AWS Certified Developer – Associate

September 2024