



Jagdeep Singh

Full Stack Developer (React +
.Net + AWS)

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Australian Citizen

Professional summary

Full Stack Developer with 13+ years of Front-End expertise and 4 years of Back-End experience. Proficient in modern web technologies such as HTML5, CSS3, JavaScript, Angular, React, Redux for front-end development, and .NET, C#, AWS for back-end and cloud solutions.

Known for delivering intuitive and scalable solutions across diverse industries such as retail, finance, and Australian Tax Systems.

Adept at enhancing user experience and optimizing performance through innovative Front-end Architecture and robust back-end services.

Proven expertise in Agile methodologies and cloud platforms like AWS, with a strong focus on collaboration, efficiency, and continuous improvement.

Key Skill Set:

- **Front-End:** HTML5, CSS3, JavaScript, TypeScript, React, Redux, Angular, Jest.
- **Back-End:** .NET, C#
- **Cloud:** AWS

Tools & Technologies

Front-End

- **Languages & Frameworks:** JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS,
- **LESS Libraries:** React, Redux Toolkit, Axios, React Query, Angular, ExtJs, MUI,
- **Storybooks, Testing:** Jest, React Testing Library, GraphQL
- **Build & Tools:** Vite, Webpack, ESLint, Prettier, TsConfig, npm, yarn
- **IDE & Design:** VS Code, Chrome DevTools, Figma.

Back-End (C#, .NET)

- **Languages & Frameworks:** C#, .NET 6/7/8, Asp.Net Core (MVC, Web API), Entity Framework Core, LINQ
- **API & Tools:** RESTful APIs, Swagger, Postman, Fiddler, Serilog, Seq
- **Database:** SQL Server, PostgreSQL, MongoDB, SSMS
- **DevOps & CI/CD:** Docker, Octopus Deploy, GitHub Actions, Git, SourceTree.
- **Monitoring:** Sumo Logic, New Relic.
- **IDE & Version Control:** Visual Studio, Rider, Git, GitHub, SourceTree.

☁ Cloud (AWS – Working Knowledge)

- **Core Services:** S3 (file storage), Lambda (serverless functions), API Gateway (REST APIs), RDS (managed SQL DB)
- **DevOps & Deployment:** ECR (Docker image hosting), ECS (basic container deployment), GitHub Actions for CI/CD
- **Monitoring:** CloudWatch (logs, basic alerts), IAM (user/role permissions), SSM (parameter store).

🔧 DevOps Tools & Practices

- **CI/CD Tools:** TeamCity, GitHub Actions, AWS CodePipeline, Jenkins
- **Containerization & Orchestration:** Docker, Kubernetes, ECS
- **Monitoring & Logging:** CloudWatch, SumoLogic, New Relic
- **Version Control:** Git, GitHub, Bitbucket
- **Build Tools:** MSBuild, dotnet CLI, npm/yarn
- **Artifact Repositories:** JFrog Artifactory, NuGet
- **Security & Quality Gates:** SonarQube

💡 Technical Highlights

FrontEnd Experience

13 years Experience

- **HTML5:** Expert in creating semantic, accessible, and structured layouts using HTML5.
- **CSS3:** Advanced styling skills using CSS3, including responsive design and Flexbox/Grid.
- **React:** In-depth understanding of React fundamentals, component lifecycle, hooks, and state management.
- **State Management:** Comfortable with Redux and React Context for managing complex application states.
- **TypeScript:** Experienced in using TypeScript for type safety and improved maintainability in React applications.
- **UI Frameworks:** Extensive experience with UI Frameworks like ExtJS, CanJS, BackboneJS, Angular, React.
- **Build Tools:** Extensive Experience with modern build tools like Webpack, Babel, and NPM scripts.
- **Accessibility:** Have Experience of accessibility standards (WCAG) and inclusive web development.
- **Node.js:** Good Experience of Node.js for integrating front-end features with backend logic.
- **RESTful APIs:** Strong Experience in consuming RESTful services and APIs within the front-end framework.
- **Cross-Browser Development:** Extensive Experience in ensuring compatibility across different web browsers and resolving compatibility issues.
- **Debugging Skills:** Skilled in using browser dev tools for debugging and performance profiling.

C# & .NET Experience

4 Years Experience

- **.NET Core:** Developed scalable backend APIs and microservices using .NET Core, powering high-performance enterprise systems.
- **C#:** Implemented business logic and RESTful services with C#, applying clean architecture and SOLID principles.
- **Entity Framework:** Utilized Entity Framework Core with code-first approach for efficient ORM and schema management.
- **Asynchronous Programming:** Leveraged async/await patterns for responsive and efficient backend operations.
- **Dependency Injection:** Applied built-in DI container for loosely coupled components and enhanced testability.
- **Background Services:** Created worker services and scheduled tasks using .NET hosted services and AWS Lambda.
- **Testing:** Practiced test-driven development (TDD) with xUnit, Moq to ensure robust code quality.
- **Logging & Monitoring:** Integrated Serilog and Sumo Logic for structured logging and proactive issue detection.
- **CI/CD:** Automated builds and deployments using Octopus Deploy, AWS CodePipeline, and GitHub Actions to streamline delivery pipelines and enable reliable infrastructure changes.

AWS Cloud Experience

2 Years Experience

- **S3:** Have experience using Amazon S3 for storing static assets and configuration files.
- **Lambda:** Have experience deploying AWS Lambda functions for automating backend tasks.
- **CloudWatch:** Have experience monitoring logs and basic metrics using AWS CloudWatch.
- **DynamoDB:** Have experience working with DynamoDB for querying and managing NoSQL data.
- **IAM:** Have experience configuring IAM roles and permissions for access control within development environments.

Employment History

Apr 2017 - Present

Engineer, Xero Ltd.

Melbourne, Australia

- Contributed to the Xero Tax product since 2017, developing numerous reusable and scalable UI components using React, Redux, HTML, CSS, and JavaScript.
- Wrote comprehensive unit tests for the frontend codebase using Jest and React Testing Library to ensure reliability and maintainability of UI components.
- Developed scalable backend services using .NET C#, ensuring robust performance and seamless deployment on AWS.
- Performed regular production deployments using Octopus Deploy, streamlining release processes and enhancing operational efficiency.
- Enhanced web accessibility to ensure inclusivity and compliance with WCAG standards.

- Resolved cross-browser compatibility issues to ensure a consistent and optimized user experience across all major platforms.
- Streamlined deployment processes using Octopus Deploy and ensured application health and performance through proactive monitoring with Sumo Logic and New Relic.
- Optimized cross-browser compatibility and implemented responsive design to deliver consistent functionality and seamless user experiences across devices and platforms.
- Led architectural decisions for module development, implementing best practices to enhance application performance, scalability, and maintainability.

May 2016 - Mar 2017

Front End Developer, Pearson Education

Melbourne, Australia

- Worked as a Frontend Developer for Pearson Education. Worked on Pearson's LightBook Application, contributed to UI development and feature enhancements.
- Developed Angular 2 modules using HTML, CSS, and JavaScript for educational applications, enhancing user engagement and improving learning outcomes.
- Implemented unit and end-to-end tests to ensure application reliability, functionality, and a seamless user experience.
- Configured build systems using Webpack to optimize application performance and streamline deployment efficiency.
- Implemented comprehensive unit testing using the Jasmine BDD framework, enhancing application reliability and significantly reducing bug incidents.
- Optimized Webpack build configuration to streamline deployment processes and enhance application performance.
- Developed end-to-end testing strategies using Protractor, enhancing application stability and ensuring a seamless user experience across educational platforms.
- Orchestrated seamless integration of ECMAScript 6 (ES6) features across modules, enhancing functionality and efficiency in educational content delivery.

Jan 2015 - Apr 2016

Associate Projects, Cognizant Technology Solutions

Bangalore, India

- Worked as a Frontend Developer at Cognizant for the Apple client, contributing to UI development and feature implementation.
- Contributed to Apple's flagship website (apple.com) by developing reusable UI components to support key features and enhance user experience.
- Worked with CanJS, a UI framework used internally by Apple, to develop and maintain frontend components for internal applications.
- Developed frontend components for Apple's internal applications using CanJS, with supporting technologies including HTML, CSS, JavaScript, Handlebars, and jQuery.
- Developed front-end solutions for various modules, enhancing user engagement and improving interface efficiency and usability.
- Gathered and implemented client requirements, ensuring seamless integration with backend web services and aligning deliverables with business needs.

- Created and executed JavaScript test cases to improve code reliability, ensure functionality, and reduce production bugs.
- Collaborated with QA teams to identify and resolve cross-browser issues, ensuring consistent functionality and compatibility across multiple platforms.
- Optimized code performance by implementing strategic design patterns and automating tasks with Gulp, resulting in improved application responsiveness and efficiency.
- Developed comprehensive test cases using the Jasmine BDD framework to maintain high code quality and minimize post-deployment issues.

Jan 2014 - Jan 2015

Software Engineer, Oracle India Pvt. Ltd.

Bangalore, India

- Worked as a Frontend Developer on Oracle's Siebel CRM application, contributing to UI enhancements and user experience improvements.
- Gathered user requirements and enhanced the UI of Oracle's Siebel CRM application using HTML5, CSS3, JavaScript, and Siebel UI framework.
- Implemented front-end solutions that led to significant improvements in user engagement and overall user experience.
- Collaborated on design and module modelling to ensure seamless integration and cohesive functionality across the application.
- Utilized jQuery and LESS to enhance interface functionality and improve visual design consistency.
- Delivered impactful front-end solutions across diverse industries, including pharmaceutical and financial sectors, tailored to meet specific business needs.
- Implemented Object-Oriented JavaScript and jQuery to build dynamic user experiences while ensuring modular, maintainable code architecture.
- Partnered with cross-functional teams to gather requirements and deliver customized CRM solutions aligned with the unique needs of diverse industries.
- Optimized front-end performance using the LESS pre-processor, leading to enhanced application responsiveness and increased user satisfaction.
- Engineered responsive UI components using HTML5, CSS3, and JavaScript, delivering intuitive and consistent user experiences across Oracle's CRM platform.

Jul 2013 - Dec 2013

Software Engineer, Infosys Limited

Bangalore, India

- Worked at Infosys as a Full Stack Developer for the Apple client, contributing to the development of critical internal tools.

- Developed the Payment Dashboard for Apple's Finance team to visualize sales figures across multiple channels (Retail, Online, iTunes) segmented by card types (e.g., MasterCard, Visa) and BINs (Bank Identification Numbers).
- Built the user interface from scratch using HTML5, CSS3, Object-Oriented JavaScript, jQuery, and LESS, ensuring responsive and performant UI.
- Designed the dashboard layout and user flow by evaluating multiple approaches and utilizing Keynote on macOS for visual planning and mockups.
- Developed RESTful web services using the Spring MVC framework to fetch and expose user preferences in JSON format for client-side consumption.
- Performed unit testing to validate functionality and ensure code quality from the development side.
- Architected the structure and defined process flows, contributing to overall solution design and implementation.
- Managed the release process independently from offshore, taking full ownership of deliverables and deployment.
- Delivered the project under tight deadlines, earning appreciation from the client for timely and high-quality delivery.

Jan 2013 - Jun 2013

Software Engineer, Infosys Limited

Bangalore, India

- Worked for Apple Inc. as a Frontend Developer, focusing on the development of the POS Tender Dashboard.
- Developed the POS Tender Dashboard to display Apple product sales across various locations and tender types (e.g., credit card, debit card).
- Built the application UI using HTML5, CSS3, Object-Oriented JavaScript, jQuery, and the LESS preprocessor to ensure maintainable and scalable code.
- Designed the dashboard layout and visual structure by exploring multiple design approaches and leveraging Keynote (Mac) for mockups.
- Created RESTful web services with the Spring MVC framework to fetch user preferences and deliver data to the frontend in JSON format.
- Implemented responsive design using CSS3 media queries to ensure optimal display across different devices and screen sizes.
- Performed unit and integration testing to validate functionality and maintain code quality throughout the development lifecycle.
- Collaborated directly with the client, actively participating in requirement gathering, evaluating intake requests, and supporting production readiness.

Nov 2011 - Dec 2012

Software Engineer, Infosys Limited

Bangalore, India

- Worked as a Frontend Developer for the Apple client, contributing to the development of Recruitment Hub, a centralized resource management application used by Apple employees for recruitment operations.
- Developed multiple application pages using HTML5, CSS3, JavaScript, Backbone.js, jQuery, and Handlebars.js, ensuring a responsive and maintainable front-end architecture.
- Played a key role in code development and maintenance, ensuring performance, stability, and scalability of the application.
- Resolved cross-browser and device compatibility issues by actively debugging and testing across various browsers and devices.
- Engaged in both pre-production and post-production analysis, identifying improvement areas and optimizing delivery.
- Involved in requirement gathering and design discussions, aligning technical implementation with business needs.
- Performed unit and integration testing to ensure reliability and reduce production defects.

Education

Jul 2007 - May 2011

Electronics & Communication Engineering

University College of Engineering (UCOE), Punjabi University, Patiala, Punjab, India

Completed a 4-year Program focused on electronic systems, communication networks, and core software concepts.

Developed strong analytical and technical skills that formed the foundation for a successful career in software development.

Skills

HTML5	CSS3	JavaScript
TypeScript	React	Redux
Angular	Jest	LESS
SASS	REST API	jQuery
Bootstrap	Node.js	.NET
C#	AWS	Docker
Kubernetes	SQL	Playwright
Git	Agile	

Courses & Training

Aug 2011 - Feb 2012

Comprehensive training in JavaScript (Front-End), Java & Spring Framework (Back-End), and SQL (including stored procedures). Built a strong foundation in full stack development and software engineering best practices. at Infosys

Microsoft Certified Professional (70-480 Programming in HTML5 with JavaScript and CSS3) at Microsoft

Links

LinkedIn

www.linkedin.com