ASHISH KUMARSenior Frontend-Focused Full Stack Developer (MERN Stack)  
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**Summary**

Full Stack Developer with 15+ years of experience in web development, specializing in the modern MERN stack (MongoDB, Express, React, Node.js) for the past several years. Expertise in building highly interactive, scalable, and user-friendly web applications, with a strong focus on UI/UX optimization, state management, and API integrations. Known for improving application performance, streamlining workflows, and developing innovative digital experiences.

**Technical Skills**  
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**Frontend Development**

* **Languages**: JavaScript (ES6+), TypeScript
* **Libraries & Frameworks**: React.js, Next.js, Vue.js, Redux, Zustand, Context API
* **UI/UX**: Tailwind CSS, Material UI, Bootstrap, SCSS
* **Optimization**: Web Performance (Lazy Loading, Code Splitting, SSR/ISR)

**Backend & APIs**

* **Languages & Frameworks**: Node.js (Express.js, Nest.js), RESTful APIs, GraphQL
* **Databases**: MongoDB, Firebase, PostgreSQL
* **Authentication**: JWT, OAuth, Firebase Auth

**DevOps & Tools**

* **Version Control**: Git, GitHub, Bitbucket
* **CI/CD**: Docker, GitHub Actions, Jenkins
* **Cloud**: AWS, Firebase, Vercel, Netlify
* **Testing**: Jest

**Work Experience**  
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**Senior MERN Stack Developer – VDX.TV, Noida**Apr 2020 – Present

**Key Responsibilities:**

* Developing Atlassian Confluence macros using React.js to enhance wiki functionality and improve internal documentation workflows.
* Development of online tools to automate the development process, reducing ETA.
* Supporting the development team for flawless project execution.
* Providing training on new APIs and frameworks.
* Project planning, execution, and coordination with teams.
* Development of core and critical modules.
* Unit testing for high-quality code delivery.
* Augmented Reality (facial recognition), Voice recognition, and 3D web applications (Three.js).
* Collaborate with clients to discuss and implement design requirements.

**Key Achievements:**

* Built high-performance React.js applications, reducing load times by 40%.
* Integrated MongoDB + Firebase Auth for seamless user authentication.
* Migrated frontend codebase to React functional components + hooks.
* Led the frontend team, mentoring junior developers.

**Assistant Technical Manager – Exponential Interactive**Apr 2017 – Mar 2020

* Spearheaded migration of legacy jQuery apps to React.js
* Built GraphQL APIs to optimize data fetching, improving API response time by 50%.
* Enhanced frontend security & accessibility (WCAG compliance).
* Led a team of 4 developers, mentoring them on React & modern JavaScript.

**Technical Lead – Exponential Interactive**Nov 2014 – Mar 2017

* Designed interactive web-based dashboards with D3.js & Chart.js.
* Developed real-time applications using WebSocket & Firebase.
* Automated repetitive UI tasks, reducing development time by 25%.

**Previous Roles**

**Sr Flash / JavaScript Developer - Tribal Fusion R&D PVT. Ltd**., Noida, U.P(Nov 2011 - Mar 2014)

* Responsible for Components, Games, Web application and Macro website development.

**Sr. Flash / JavaScript Developer -** [**Smile Interactive Technologies Group**](http://www.sitg.in/)(WPP Company), Gurugram, Haryana (Sep2008 *-* Nov 2011)

* Responsible for Facebook Web Application, Games, Macro Website development.

**Software Engineer -** [**Appulse Technologies PVT. Ltd**](http://www.appulse.com/)**.** Gurugram, Haryana (Oct 2007 - May 2008)

* Responsible for Flash Web Application, Flash Games, Macro Website development.

**Flash Developer** - **Compare Infobase Ltd.** Delhi **(**Apr 2005 – Mar 200)

* Responsible for Flash Web Application, Games, Macro Website development.

**WEB DEVELOPER / ADOBE FLASH PROGRAMMER** - **Pragati Infosoft PVT. Ltd.** Delhi (Apr 2005 – Mar 2006)

* Started my career as a Web Developer.

**Key Projects**

**VDX Testing Tool (Chrome Extension)**

* Impact: Reduced campaign QC time by 70%, increasing ad testing efficiency.
* Tech Stack: React.js, Chrome Extension API (MV2 and MV3), Tailwind CSS

**EXenabler JavaScript Library**

* Impact: Automated third-party ad integration, saving 100+ dev hours.
* Tech Stack: JavaScript, HTML5, CSS3

**React360 Image & Video Viewer (Published on NPM)**

* Impact: Open-source React.js + Three.js library used globally.
* Tech Stack: React.js, Three.js, WebGL

**Education**

**Master of Computer Applications (MCA)**Sikkim Manipal University | Year 2010

**Awards & Achievements**

* Exathon Award Winner – Developed real-time mobile-to-desktop connectivity tool.
* Recognized by VDX.TV’s CEO for contributions to automation tools.

**Soft Skills**

* Leadership & Mentorship
* Performance Optimization
* UI/UX Best Practices
* Agile & Scrum Methodologies

**Core Technical Skills (Detailed)**

* BeyondReality – A JavaScript library for Augmented & Virtual Reality Application Development.
* Facebook’s Spark AR Studio - AR software suite to build highly integrative augmented reality application.
* Pusher API – for real-time connection between more than one device (mobile and desktop).
* Create JS – JavaScript Animation API comes with Adobe Animate CC.
* jQuery - A JS library designed to simplify HTML DOM tree traversal and manipulation, including event handling, CSS animation, and Ajax
* Facebook Graph API – The Graph API is the primary way for apps to read and write to the Facebook social graph
* Three.js – 3D computer graphics in a web browser using WebGL
* Tween JS – simple twining library for animation
* Json/XML and Web Service, HTTP Services
* Google and Map Box Java Script API to embed maps and navigation functionality within the web / mobile applications
* Double-Click Studio JavaScript API – JavaScript library for building Studio HTML ads for google platform.
* AccuWeather API – A real time weather API to fetch weather information
* YouTube’s, Vimeo (player SDK) JavaScript API

**Recent Projects**

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**Check out more of my React and Vanilla JS projects on GitHub:**



* https://github.com/ashishkummar/vttReact  [React JS]
* <https://github.com/ashishkummar/react-slimpic>  [React JS {replica of tinypng.com}]
* <https://github.com/ashishkummar/react360imgthree> [React JS, distributed 4 year ago on [NPMJS.com](https://www.npmjs.com/package/react360imgthree) ]
* <https://www.npmjs.com/package/react360vidthree>  [React JS, distributed 4 year ago on [NPMJS.com](https://www.npmjs.com/package/react360vidthree) ]
* <https://github.com/ashishkummar/VDX_AnimWidget> [React]
* <https://github.com/ashishkummar/Pano360HotSpot> [vanilla js]
* <https://github.com/ashishkummar/https---github.com-ashishkummar-VTT-vanilla> [vanilla js]

**Articles**

* [Medium Profile](https://medium.com/@ashishkumar_81395)
* [My Projects on Medium](https://medium.com/@ashishkumar_81395/my-projects-97cc3665c56a)