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| **Contact**  Australia  +61 450452262  [LinkedIn](https://www.linkedin.com/in/kuldeepdawar/) | [GitHub](https://github.com/Kuldeepdawar)  [PORTFOLIO](https://kuldeep-personal-po-git-610811-kuldeep-singhs-projects-70007c55.vercel.app/)  Kuldeep.rajput.expert@gmail.com  **Skills**   * **Programming:** **JavaScript (ES6+), Redux, TypeScript**, **Node.js**, **React.js React Query, Next.js** * **Cloud & DevOps:** **AWS**, **Terraform, CI/CD** * **Web Technologies: HTML5**, **CSS3/SCSS**, **Tailwind CSS**, **Bootstrap**, **Material UI**, **GraphQL**, **RESTful APIs** * **Databases: PostgreSQL**, **GraphQL** * **Testing:** **Jest, RTL, TDD, Unit Testing** * **Operating Systems:**   **Linux**, **Mac OS, Windows**    **Education**  **Bachelor of Technology (Computer Science)**  Kurukshetra University - 2015  **Master of Information and Communication Technology** **(Computer Science)**  USC – Australia 2020  . | Kuldeep Singh  **Summary**  **Experienced React Developer** with 5+ years in the software development industry**,** including 2 years at **Accenture Australia**. Expertise in building responsive, high-performance, applications using **React.js**, **Redux**, **Next.js**, and **TypeScript.** Adept at designing and implementing **RESTful** and **GraphQL APIs**, and leveraging **AWS services** (Lambda, EC2, S3) to build scalable, secure, and efficient cloud-based solutions. Proficient in **UI/UX** design and front-end development with a focus on creating intuitive, user-friendly interfaces.  Skilled in automating deployment processes and managing infrastructure with **Terraform,** and implementing **CI/CD pipelines** using **GitHub Actions**, **Jenkins**, and **AWS CodePipeline**. Known for optimizing system performance, ensuring application scalability, and fostering cross-functional collaboration to deliver secure, high-quality software.  **Experience**  React Full Stack Developer - Sydney  **BatteryMate** | Sydney | Jun 2023 – Feb 2025   * **API Development**: Built scalable **RESTful** APIs with **TypeScript**, **Next.js**, and **AWS Lambda**. Integrated **OAuth** & **JWT authentication** for secure transactions.   **Key Achievement:**   * + Optimized data fetching by 50%, improving eCommerce performance.   + Integrated **Redis caching** for frequently accessed data, reducing latency by 40%.   + Implemented **TTL cache invalidation** to ensure fresh data and reduce database load. * **Frontend Development:** Developed high-performance **React** UI using **Redux Toolkit** and **TypeScript.** Integrated **PostgreSQL** for efficient data handling and real-time updates on product listings and order tracking.   **Key Achievement:** Reduced code complexity by 40% with **Redux Toolkit**, enhancing maintainability.  **Optimized Redux Thunk** for better state management performance.   * **Cloud & Infrastructure:** Leveraged **AWS (Lambda, API Gateway, DynamoDB, EC2, S3)** for scalability and security.   **Key Achievement:** Cut infrastructure costs by 35% through a **serverless approach** and **automated CI/CD pipelines**.   * **Terraform & DevOps**: Implemented **Terraform** for infrastructure management and automated **CI/CD** for streamlined deployments.   **Key Achievement:** Enhanced reliability and deployment speed, reducing manual errors and downtime.  **Software Application Developer – SCATS**  **Accenture** | Australia | Feb 2022 – Mar 2023  **API Development:** Developed **RESTful APIs** using Java (Spring Boot), **React** for frontend, **Node**, **TypeScript**, AWS Lambda, optimizing traffic data processing for **SCATS projects**.   * **AWS Integration and Serverless Architecture:** Deployed AWS Lambda, API Gateway, EC2, and S3 for scalable data processing. Implemented serverless architecture for cost-efficiency.   **Key Achievement:** Achieved a 40% reduction in operating costs by adopting serverless solution.   * **CI/CD Pipeline Implementation: Developed and maintained automated CI/CD pipeline using AWS CodePipeline and GitHub Action, streamlining deployment processes and enhancing team collaboration**.   **Key Achievement: Reduced deployment time by 50% and increased release frequently through efficient pipeline automation.**  Application Developer - Samsung  **Accenture** | Melbourne, Australia | June 2021 – Jan 2022   * **API Integration**: Integrated RESTful services using Axios for dynamic data fetching without page reloads, ensuring seamless frontend-backend communication.   **Key Achievement:** Improved the e-commerce site’s response time by 30%, resulting in better user engagement.   * **Frontend Development:** Developed responsive e-commerce user interfaces using React Native, Redux, and TypeScript, enhancing the experience across multiple devices. Optimized mobile responsiveness and performance for a seamless cross-platform experience. * **Key Achievement**: Increased mobile user retention by 25% through optimized, responsive UI/UX on both iOS and Android platforms, utilizing React Native for efficient, high-performance app development. * **Infrastructure Automation with Terraform**: **Managed AWS resources such EC2**, **Lambda**, **DynamoDB**, and **S3** using Infrastructure-as-Code (IaC) practices, reducing provisioning times and improving DevOps workflows.   **Key Achievement: Streamlined** infrastructure deployment and scaling, reducing provisioning times by **40%** and improving overall DevOps efficiency.   * **Real-time & Event-driven Architecture**: Integrated **WebSockets, Redis, RabbitMQ, and Kafka** for real-time times updates, caching, and efficient messaging.   **Key Achievement: Streamlined** infrastructure deployment and scaling, reducing provisioning times by **40%** and improving overall DevOps efficiency.   * **AWS Serverless Framework and Integration:** Deployed APIs using AWS Serverless Framework and integrated S3, EC2, AWS Amplify, Lambda, and RDS.   **Key Achievement:** Improved application stability and scalability, reducing downtime by 15%.  React Developer  Reesby | Australia | Jan 2021-June 2021   * **Dynamic Dashboard Development:** Designed and implemented a dynamic, interactive dashboard for the CRM application using **HTML5, CSS3**, and Bootstrap. Ensured that the dashboard was both visually appealing and highly functional, offering users real-time data insights and intuitive navigation.   **Key Achievement:** Contributed to a 20% increase in user engagement with the dashboard, as it provided intuitive data visualization, allowing users to make data-driven decisions more efficiency.   * **API Integration:** Integrated frontend components with **backend APIs**, ensuring seamless data exchange and functionality between the client and server. Managed data flow between the **UI** and server, ensuring smooth and real-time sizes updates.   **Key Achievement:** Enhanced API integration to support real-time syncing, which improved the application’s responsiveness and reduced latency by 30%.  **Web Developer** OSPMC | India | Aug 2017- Dec 2018  * **UI Developer:** Designed and implemented intuitive, user-friendly interfaces for the paramedical system using **HTML5, CSS3, JavaScript ES8, React, TypeScript**, and SASS. This contributed to seamless navigation and improved accessibility. Collaborated closely with UI/UX designers to refine user experiences through wireframing, prototyping, and usability testing, resulting in a visually appealing, user-centric design.   **Key Achievement:** Enhanced the user interface, leading to a 25% increase in user satisfaction based on post-launch surveys, particularly in the ease of accessing medical reports and faculty schedules.   * **Performance Optimization**: Implemented **best practices** to **optimize** **the application's performance**, enhancing page load speed and overall user experience.   **Key Achievement:** Reduced load times by **50%,** ensuring smooth performance even during high-traffic periods.  **Front-end Developer – Trainer**  **ARC Education | Mar 2016 - Jul 2017**   * **UI/UX Implementation:** Designed and developed intuitive user interfaces, ensuring alignment with UX best practices to enhance user engagement and accessibility. * **Performance Optimization:** Improved front-end performance by optimizing code and implementing best practices in web development, ensuring faster load times and smoother user experiences. * **Cross- Browser Compatibility** Ensured seamless application functionality across multiple browsers and devices by addressing inconsistencies and implementing robust testing strategies. * **Accessibility Standards** Integrated WCAG-compliant accessibility features, ensuring applications were inclusive and user-friendly for diverse audiences.     **Certification**   * **AWS Certified Developer Associate (DVA-CO2) 2025** * **HashiCorp Certified: Terraform Associate 2025** * **AWS Certified Solution Architect Associate 2025** * **AWS Certified AI Practitioner AIF-CO1**   **Portfolio & Projects**   * [PORTFOLIO](https://kuldeep-personal-po-git-610811-kuldeep-singhs-projects-70007c55.vercel.app/) * [Live Pizza Shop](https://fast-pizza-delivery-cedk.vercel.app/)   **References**  Available upon request. |

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