**Kuldeep Singh**  
Senior React Developer  
📍 Open to relocation (Australia) | 📞 0450 452 262 | 📧 kuldeep.rajput.expert@gmail.com  
🔗 [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/)

**Professional Summary**

Results-driven React Developer experience building secure, scalable, and user-centric web applications using React.js, Next.js, Node.js, and PostgreSQL. Proven success across eCommerce, traffic systems, and healthcare domains. AWS Certified with strong skills in JavaScript (ES6+), HTML5, CSS3, REST APIs, and Agile/TDD. Adept at full stack development, CI/CD pipelines, and mentoring teams to deliver high-performance, intuitive solutions.

**Core Skills & Technologies**

* **Frontend:**  
  React.js, Next.js, JavaScript (ES6+), TypeScript, Redux Toolkit, HTML5, CSS3, Tailwind CSS, Bootstrap, SCSS, Material UI, React Hook Form, Zod
* **Backend:**  
  Node.js, Express.js, RESTful APIs, GraphQL, PostgreSQL, MySQL, MongoDB, WebSockets, Firebase, Prisma ORM
* **DevOps & Cloud:**  
  AWS (Lambda, EC2, S3, API Gateway, CloudWatch, IAM), Docker GitHub Actions, Bitbucket Pipelines, CI/CD, Vercel, Netlify
* **Testing & Performance:**  
  Jest, React Testing Library, Lighthouse, TDD, SSR, Lazy Loading, Accessibility (WCAG 2.1)
* **Soft Skills & Tools:**  
  Mentoring, Technical Training, Code Reviews, Agile/Scrum, Git, Jira, Figma, Storybook, Debugging, Documentation
* **AI Tooling (Learning Stage):**  
  LangChain, OpenAI API, Google Gemini API, Prompt Engineering, RAG (Retrieval-Augmented Generation), Hugging Face Transformers, Vector Databases (Pinecone, ChromaDB), Amazone Bedrock (Titan)

**Professional Experience**

**Software Developer**

**BatteryMate | Sydney, Australia**  
*Jun 2023 – Feb 2025*

* Developed a scalable eCommerce platform using **React** (TypeScript), **Node.js** (Express), **Next.js,** MongoDB, and GraphQL, delivering high-performance, cross-device experiences.
* Integrated **Redis** for caching frequently accessed data such as product listings, session tokens, and cart states, significantly improving application speed and reducing database load.
* Integrated **Kafka** for real-time payments, order processing, email notifications, and analytics, enabling asynchronous, event-driven workflows across microservices.
* Built secure backend services for inventory, checkout, and user authentication using JWT and cookie-based sessions.
* Integrated Stripe for payment processing, and developed coupon, cart, and analytics features to enhance user engagement and operational efficiently.
* Applied performance optimizations including lazy loading, CDN usage, Cloudinary image transformation, and Webpack bundle
* Ensured end-to-end security with IAM-based role access, environment variable protection, and HTTPS/TLS enforcement.
* Managed AWS infrastructure with Lambda, API Gateway, DynamoDB, and S3, ensuring scalability and resilience.
* Implemented CI/CD pipelines using GitHub Actions and AWS CodeDeploy for automated deployments and rollback support.

**Application Developer – SCATS (Smart Traffic System)**

**Accenture | Australia**  
*Feb 2022 – Mar 2023*

* Developed real-time traffic dashboards using **React, Redux Toolkit**, and **WebSockets**, enabling live traffic monitoring, data visualization, and dynamic updates.
* Built low-latency backend services with **Node.js** and PostgreSQL, optimizing real-time data processing, traffic signal management, and system performance.
* Integrated serverless service including **Lambda, API Gateway, DynamoDB**, and **S3** to build scalable, event-driven architectures for traffic data ingestion, processing, and archival.
* **Used AWS CloudWatch** and **X-Ray** for monitoring, alerting, and debugging distributed systems, ensuring high availability and fast resolution of issues
* Enhanced frontend performance by 35% through UI optimization, lazy loading, and asynchronous rendering, ensuring **WCAG** accessibility compliance for better usability and inclusivity.
* Collaborated in **Agile** teams on sprint planning, code reviews, and **CI/CD** deployments, ensuring timely delivery, code quality, and effective team collaboration.

**Frontend Application Developer – Samsung eCommerce**

**Samsung via Accenture | Melbourne, Australia**  
*Jun 2021 – Jan 2022*

* Developed SSR-enabled eCommerce features using **React.js**, and **GraphQL** for mobile and web platforms**.**
* **Built** and maintained GraphQL APIs using **Apollo Server** and **Prisma ORM**, ensuring type safety, fast development cycles, and robust backend integration.
* **Implemented Zustand** for lightweight and scalable global state management in specific frontend modules, improving performance and simplifying component reactivity
* Boosted **Lighthouse scores by 30%** through **Core Web Vitals** and image optimization.
* Maintained design consistency via **Figma integration** and Docker-based CI/CD pipelines.

**Frontend Developer – Healthcare Dashboard**

**OSPMC | India**  
*Aug 2017 – Dec 2018*

* Built responsive medical dashboards using **HTML5, CSS3, JavaScript** and **TypeScript** for hospital use.
* Refactored a legacy monolith into modular React components, improving performance by 40%.
* Developed **WCAG-accessible** clinical UIs with strong security and privacy practices.
* Mentored junior developers in JavaScript ES6, Git, and reusable design principles.

**Frontend Developer / Trainer**

**ARC Education | India**  
*Mar 2016 – Jul 2017*

* Trained over **100+ students** in **HTML, CSS, JavaScript**, Git, and Responsive Web Design.
* Designed curriculum and delivered lectures for beginner-to-advanced frontend development courses.
* Mentored new developers on clean code practices, **DOM manipulation**, event handling, and debugging.
* Conducted live coding sessions and assessments to ensure learning outcomes.

**Education**

**Master of Information and Communication Technology (Computer Science)**  
University of the Sunshine Coast – Australia -2020

**Bachelor of Technology (Computer Science)**  
Kurukshetra University – India -2015

**Certifications**

* ✅ AWS Certified Developer – Associate (DVA-C02)
* ✅ AWS Certified Solutions Architect – Associate
* ✅ AWS Certified AI Practitioner (AIF-C01)

### Projects

* [Portfolio](https://kuldeep-personal-po-git-610811-kuldeep-singhs-projects-70007c55.vercel.app/)Fully responsive personal portfolio showcasing live React/Next.js demos and contributions
* <https://clone-gemini.vercel.app/> Generative AI App using Google Gemini API with React JS
* [LIVE PIZZA SHOP](https://fast-pizza-delivery-cedk.vercel.app/)
* [Live Gym Website](https://gym-app-green.vercel.app/)

### References

Available upon request