SANKIT SHRESTHA

FULL STACK DEVELOPER

Gold Coast, QLD | +61404348763 | sankit.jobs@gmail.com | <u>Portfolio</u> | <u>Linkedin</u>

Experienced software developer with 5+ years of development experience, specialising in developing interactive web solutions across various scales. One of 3 members of a core team at a product-focused start up that developed a robust no-code platform from inception, rapidly delivering over 6 complete business software systems in the past 12 months. Proven ability to collaborate effectively within teams on large-scale projects as well as independently deliver end-to-end scalable web technologies. **Open to relocation.**

Skills

Front-end technology: HTML5, Web Accessibility Standards (WCAG), Semantic HTML, CSS, SCSS, SASS, Styled Components, Styling Frameworks, Typescript, Javascript, ES6, Vue, React.js, Redux, Remix, Angular, Angularjs Single Page Applications, Next.js, Chart.js, Jest, Mocha, Vitest, UI/UX, User Interface Design, Figma, Design Systems

Back-end technology: RESTFUL APIs, Serverless (Microservices) architecture, Node.js, GraphQL, PHP, Python, Redis, SQL, NoSQL, MongoDB, MySQL, PostgreSQL, Devops, Docker, AWS (SQS, SNS, S3, Lambda, EventBridge), Cloud technologies

Others: Version Control, Git, GitHub, GitLab, Unit Testing, AWS CodeCommit, Project Management, Continuous Integration, Communication, Attention to Detail, SDLC, Creative Vision

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Work Experience

Software Engineer at Kzen8 Pty Ltd

Oct 2020 – Present

(REACT | ANGULAR | TYPESCRIPT | AWS | NODE | MONGODB)

One of three core developers at a product-focused startup who collaborated to develop a no-code SaaS platform from the ground up that streamlines the business software development process. Implemented a variety of well-architected creative solutions ranging from front-end related customer facing features such as a visual designs, custom theme designer, data visualisation widgets, etc to back-end associated features such as third-party API integrations, database query and storage, etc.

Key responsibilities and achievements

- Developed mobile-friendly user interfaces and consistent style guides for the platform by focusing on responsive design principles, ensuring 100% compatibility with different web browsers.

- Engineered database query and storage mechanisms based on MongoDB to ensure efficient storage, retrieval, and data manipulation and data integrity. Cut down the latency by 60% in the second iteration.

- Facilitated seamless personalisation of the appearance of applications through a custom theme designer feature, which was recently used to deliver business solutions to a government department (Gold Coast Health) that fully adhered to their UI/UX guidelines (https://nexus.kzen8.com/gchhs-education/test).

- Implemented data visualisation features using Chart.js to enhance data presentation and user experience. Implemented a separate dashboarding platform named "kzendash" (https://dash.kzen8.com) using the React/MERN stack.

- Engineered over 20 different robust, reliable, responsive, and reusable UI components called 'widgets' and utilised Angular's lazy-loading feature to improve load time by 60%.

- Architected and built a modular CSS styling mechanism, resulting in an overall reduction of 30% of the original code volume.

- Implemented user authentication and authorisation flows, including SSO through Microsoft Azure AD, to secure web applications and manage security access levels effectively.

- Cut down the loading time of custom themes by 200% in the second iteration of the theme designer by optimising the theme storage mechanism.

- Implemented a public-facing API using Express/Node.js/AWS Lambda to enable connection and communication between user-owned third-party tools/websites/platforms and kzen8's backend.

- Established coding standards, performed rigorous testing, code reviews and debugging to maintain high quality code and fix bugs within the application.

- Effectively communicated and translated stakeholders' demands into technical specifications and led over 15 sub-projects using agile methodologies, utilising the test and staging environments on AWS infrastructure.

Full Stack Developer (Freelance)

June 2019 – Present

(REACT | NEXT.JS | TYPESCRIPT | AWS | NODE.JS | MONGODB)

Crafted commercial digital products such as booking and job management systems for several clients directly addressing business pain points and catalysing growth.

- **One wish cleaning**

  Complete CRM and back office solution with rostering and job management features. Reduced the time spent on rostering and timesheets every week by 80%. The front end was crafted using Reactjs and React Context for a seamless user experience, while the back end is powered by a Node.js server connected to MongoDB. To ensure scalability, resilience, and cost-effectiveness, it utilises AWS Lambda functions and Event Bridge, all implemented through a serverless architecture.
   https://dash.onewishcleaning.com.au

- **Smile your way to happy**

  Project developed for Bernie Hayne for her first children book called smileyourwaytohappy. Responsible for designing, developing, testing and deploying the application. https://smileyourwaytohappy.com

- **Little hideout cafe**

  Complete website development project with backend admin and CMS dashboard. Cut down the site downtime by 70%. https://littlehideoutcafe.com.au https://littlehideoutadmin.vercel.app/

Education

Bachelor of IT from Griffith University, Brisbane, QLD, Australia

2017–2020

- Dux award
- Academic Excellence award