SANKIT SHRESTHA
FULL STACK DEVELOPER

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Experienced software developer with over 5 years of industry experience, specialising in developing interactive web applications across various scales. One of 3 members of a core team at a product-focused startup that developed a robust no-code platform from inception, which has rapidly delivered over 6 complete business software solutions in the past 12 months. Proven ability to collaborate effectively within teams on large-scale projects, as well as independently deliver end-to-end web solutions.

SKILLS

- HTML/CSS/SCSS
- Typescript/Javascript
- React/Redux
- Angular
- Next.js
- Chart.js
- Jest
- Redis
- Mocha
- Node.js
- MongoDB
- MySQL
- AWS
- Version Control/Git/GitHub

PROFESSIONAL EXPERIENCE

10/2020 – PRESENT
KZEN8 PTY LTD, GOLD COAST, QLD, AUSTRALIA • SENIOR SOFTWARE ENGINEER

Worked in collaboration with 2 other developers to develop a no-code software platform from the ground up that streamlines the business software development process. Implemented and optimised a variety of well-architected features ranging from front-end related features such as custom theme designer, data visualisation widgets, etc to back-end related features such as third-party API integrations, database I/O, etc.

- Developed a mobile-friendly user interface for the platform by focusing on responsive design principles ensuring 100% cross-platform compatibility.

- Engineered database I/O mechanisms based on MongoDB to ensure efficient storage, retrieval, and manipulation of data. 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 **Gold Coast Health** that fully adhered to their UI/UX guidelines (<u>https://nexus.kzen8.com/gchhs-education/test</u>).

- 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 React/MERN stack.

- Engineered over 20 different robust, 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 authorization flows including SSO through Microsoft Azure AD to secure web applications and manage user 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 and performed rigorous testing to identify and fix bugs within the application.

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

10/2019 – Present

Freelancing Projects • Full stack developer

Crafted complete web solutions such as booking and job management systems for several clients directly addressing business pain points and catalysing growth.

- Little hideout cafe • React/Typescript/Node.js/MongoDB • Complete website development project with backend admin dashboard. Cut down the site downtime by 70%• https://littlehideoutcafe.com.au https://littlehideoutadmin.vercel.app/

- One wish cleaning • React/Typescript/Node.js/MongoDB • Complete backend admin solution with rostering and job management features. Reduced the time spent on rostering and timesheets every week by 80%.

EDUCATION

Bachelor of IT • 2017 – 2020 • Griffith University, Brisbane, QLD, Australia

- Dux Award

- Academic Excellence