

PROFILE SUMMARY

Highly skilled and detail-oriented Web Developer with a strong foundation in frontend and backend development, tailored to deliver high-performance applications. Proficient in building dynamic user interfaces using React and Angular while ensuring seamless state management with Redux. Experienced in backend development with Python and C++, focusing on creating efficient APIs and optimizing system performance using caching (Redis) and profiling tools (Chrome DevTools). Expertise in developing reusable components and maintainable codebases to meet business needs. Strong problem-solving skills, independent work ethic, and a proven ability to collaborate with cross-functional teams. Excited to bring innovative, scalable solutions to **Zoho's** diverse and challenging projects.

EDUCATION

<b>Government College of Engineering Srirangam</b>	<b>December 2021 - May 2025</b>
B.E - Electronics and Communication Engineering	Tamilnadu, India
CGPA : 8.01	

SKILLS SUMMARY

<b>Front-End:</b>	HTML5, CSS3, JavaScript, React js, Angular js, Vue.js, Client-side frameworks (Redux, REST API), Caching
<b>Back-End:</b>	Python, C++, MySQL, Django, RESTful API design, Redis, Memcached, Python's ayncio, OAuth, JWT, Debugging
<b>Tools :</b>	AWS, GIT ,React profiler, Lighthouse,Py-Spy(python)
<b>Platforms:</b>	PyCharm, Jupyter Notebook, Visual Studio Code
<b>Soft Skills:</b>	Problem-solving, Independent Work Ethics, Analytical Thinking, Attention to Detail, Write Maintainable Code, Performance Tuning

WORK EXPERIENCE

<b>WEB DEVELOPER   FREELANCE</b>	<b>May 23- PRESENT</b>
<ul style="list-style-type: none"><li>Optimized API performance, reducing response time by 30% using Redis caching and SQL query optimization techniques. Leveraged tools like Py-Spy to identify bottlenecks and improve backend efficiency.</li><li>Enhanced frontend performance, achieving a 20% improvement in load time by implementing React code splitting, lazy loading, and analyzing performance using Chrome DevTools.</li><li>Designed and developed reusable and maintainable components for various client projects, ensuring scalability and adherence to best coding practices.</li><li>Collaborated with clients to understand project requirements, delivering customized solutions that met performance and functionality expectations.</li><li>Used Webpack Bundle Analyzer to reduce bundle sizes and improve application performance.</li><li>Integrated caching mechanisms and asynchronous programming to improve user experience and backend reliability.</li><li>Proactively reviewed and refactored existing codebases, suggesting optimizations for performance and maintainability.</li></ul>	

PROJECT

<b>Optimizing E-Commerce: High-Performance Platform with Scalable Architecture</b>	<b>September 2024- November 2024</b>
<ul style="list-style-type: none"><li>Technologies Used: React, Redux, Python (Django), MySQL, Redis, Chrome DevTools<ul style="list-style-type: none"><li><b>Frontend Development:</b> Developed a responsive and dynamic product listing page using React and Redux for state management, ensuring seamless data flow and improved user experience.</li><li><b>Backend Development:</b> Implemented a robust backend using Django, reducing API response times by 30% through SQL query optimization and Redis caching.</li><li><b>Performance Optimization:</b> Improved application load time by 25% using Chrome DevTools to analyze bottlenecks, lazy loading for images, and Webpack bundle optimization.</li><li><b>Reusable Components:</b> Designed modular, reusable UI components, enabling quick scalability for future feature development.</li><li><b>Testing and Debugging:</b> Conducted comprehensive debugging and functional testing, ensuring consistent performance across browsers and devices.</li><li><b>Cross-Functional Collaboration:</b> Worked closely with the design and QA teams to ensure a seamless end-user experience.</li></ul></li></ul>	