Hamza Bhutta

Software Developer

Lahore, Pakistan

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Software Developer with hands-on industry experience building scalable, high-performance applications. Passionate about crafting user-centric solutions with clean architecture, modern tooling, and performance in mind. Skilled in applying best practices to accelerate development and reduce long-term costs.

Experience

Topdot   **July 2024 – Present**
Software Frontend Developer   On-Site

- Created interactive frontend experiences for web games using Vanilla JS and `<canvas>`
- Used AI tools to speed up development workflows and reduce delivery time across projects
- Applied GSAP for smooth, appealing animations to enhance overall website experience
- Leveraged Lighthouse, Web Vitals, and audits to fix bottlenecks and kept performance scores above 90%

Absoluit   **April 2023 – December 2023**
Associate Software Engineer   Hybrid

- Reduced development time by 30% with modular architecture, pure and reusable components
- Collaborated in cross-functional teams using Git, Jira and code reviews for smooth delivery cycles
- Reduced development time with reactive state management and incresed performance by 25%
- Designed GraphQL APIs and modular backend services for scalability and ease of maintenance

FAST-NUCES   **September 2022 – March 2023**
Full-Stack Developer (Final Year Project)   On-Site

- Built a comprehensive event management system using React.js, Node.js, and MongoDB
- Implemented real-time notifications and responsive UI, improving engagement by 35% during testing
- Designed RESTful APIs and modular backend services for scalability and ease of maintenance
- Integrated secure user authentication and role-based access control using JWT

Technical Expertise

Frontend	React.js, Next.js, Vue.js, JavaScript (ES6+), GSAP, HTML5, SCSS
Backend	Node.js, Express.js, RESTful APIs, GraphQL, MongoDB, SQL
Styling & UI	Tailwind CSS, Material-UI, Bootstrap, Daisy-UI
Tools & Platforms	Git/GitHub, Vite, Oracle, Vercel, Netlify
Testing & Quality	Jest, Lighthouse, Chrome DevTools

Education

Bachelor of Science in Computer Science, FAST-NUCES   Graduated: July 2023

Key Achievements

- **Reduced Costs:** Leveraged AI tools and prompt engineering to automate repetitive tasks, cutting development time and reducing project costs by up to 40%

- **Animation Performance:** Optimized React.js animations using JavaScript and requestAnimationFrame, reducing render time by 25% and enhancing UI fluidity

- **Application Performance:** Improved React app load times by 30% through code splitting, lazy loading, and React.memo, supporting 10,000+ monthly users

- **UI Component Efficiency:** Developed a modular component library with 50+ reusable React elements, accelerating development by 20% across teams

- **Cross-Browser Optimization:** Refined JS game loops using delta timing, delivering consistent 60 FPS performance across all major browsers

- **Vue.js Integration:** Built interactive dashboards in Vue 3 with Composition API and Pinia, boosting maintainability and reducing state-related bugs

- **Vue Component Design:** Created reusable UI components using scoped slots and custom directives, improving flexibility and code reusability in large apps

- **Reactive State Management:** Applied modern reactivity patterns inspired by Svelte and Valtio to reduce boilerplate and simplify app complexity

- **Team Enablement:** Standardized code quality with ESLint and Prettier, improving collaboration and reducing review time by 30%

- **Security & Auth:** Implemented secure JWT-based authentication, route protection, and role-based access control to prevent unauthorized access

Professional Certifications

- **Advanced React** – Meta (Coursera)   2023
- **Frontend Development Libraries** – freeCodeCamp   2023
- **DevOps Essentials** – IBM   2023

Additional Information

- **Languages:** English (Professional)
- **Interests:** Open-source contribution, web performance optimization, modern software architecture, interactive animations