Umair Shafiq

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SKILLS

JavaScript (ES6+) | Node.js | TypeScript | AWS Lambda | Next.js | Redux/Redux Toolkit | Express.js | jQuery | HTML5 | CSS3 | SASS/SCSS | LESS | Tailwind CSS | React.js | Bootstrap | Svelte | WordPress | Webpack | Git/GitHub | Figma | PostgreSQL | MongoDB | Vite | Containerization (Docker/Kubernetes) | YAML | PHP | Python | OAuth | GraphQL | Puppeteer/Cheerio| NLP/NLTK| GPT-4 | TDD (Jest/Playwright)

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer, Noria Water Technologies - | Los Angeles, California   *2023 - Current*

- Refactored the WordPress platform extensively by integrating custom PHP themes and optimizing database queries to enhance the content management system's efficiency to improve ease of updating content for authenticated users, resulting in improved editorial workflows
- Optimized lifecycle events with an advanced React-based frontend architecture, leveraging custom hooks for stateful logic and employing React's Context API for better state management along with React Query for asynchronous data fetching and caching resulting in a 60% improvement in rendering efficiency and a 40% reduction in unnecessary re-renders, leading to faster real-time data visualization for overseas clients
- Re-architected cloud infrastructure by integrating AWS Lambda for serverless computing and RDS for relational database management to lower high operational costs and frequent downtime, realizing a 35% reduction in overall operational expenses and improving application uptime by 25%
- Containerized the RO-Spotlight™ digital dashboard application and its microservices using Docker and orchestrated deployment through Kubernetes to streamline inconsistent deployment environments and the CI/CD process, achieving a 99.9% uptime while reducing environment-specific bugs
- Implemented GraphQL APIs and introduced server-side rendering using Next.js to tackle inefficient data retrieval and visualization in the RO-Spotlight™ digital dashboard, allowing data to be queried more efficiently and the frontend to be pre-rendered cutting dashboard load times by 40%

Full Stack Software Engineer, GeSvelte - OSLabs | Los Angeles, California   *2022 - 2023*

- Addressed component reusability challenges by pioneering the integration of custom Svelte components with TypeScript and GraphQL, achieving a 60% increase in reusability while ensuring compliance with W3C A11Y, WCAG, and ARIA standards
- Architected an intuitive UI/UX by leveraging complex React Hooks and Redux Toolkit for state management, resulting in a 70% decrease in page re-renders and a 50% boost in runtime efficiency
- Eliminated the need for manual server configurations and external libraries by leveraging SvelteKit's layout API in conjunction with AWS Lambda by building functions with Python resulting in a 50% reduction in REST API endpoint generation time and a 30% improvement in application scalability

Frontend Web Developer, Riverside Community College | Riverside, California   *2018 - 2022*

- Resolved branding inconsistencies by leveraging Bootstrap along with SASS/SCSS and LESS, while integrating OAuth for secure user authentication. Achieved visually coherent, mobile-responsive web layouts that elevated the college's brand alignment by 40%
- Integrated server-side rendering using React and Next.js to optimize the college's web applications, achieving a 90% improvement in SEO rankings and a 20% increase in user engagement
- Facilitated seamless data flow between frontend and backend by employing Node.js, Express.js, and GraphQL while also utilizing Redux for state management. This collaboration reduced data-fetch latencies by 30% and improved overall system reliability by 15%

Open Source

Magicwords – Job Keyword Finder   *2023*

- Engineered a machine-learning A.I. powered web crawler using Node.js and Axios integrated with React for dynamic data visualization features, scraping and aggregating job requirements while providing actionable insights and reducing manual effort by 70%
- Programmed an optimized front-end interface using Next.js and Tailwind CSS, fortified by Redux for state management, that renders interactive tables and charts visualizing essential job skills and experience metrics
- Designed a robust backend architecture using Node.js with Express, integrating a PostgreSQL database that utilizes caching for previously fetched data for enhanced platform efficiency
- Incorporated Natural Language Processing capabilities by leveraging GPT-4 and NLTK libraries and also designed algorithms to preprocess and analyze job posting text data, enabling more contextual recommendations of job skills

EDUCATION

Riverside Community College | Associates of Math and Computer Science   *2019 – 2022*

Codesmith | Full-stack Web Developer Enhanced Immersive – Software Engineering Residency   *2018 – 2019*

Aureus University School of Medicine | Bachelor of Science   *2014 – 2018*