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Tyler Johnson

Full-Stack Software Engineer

TECHNICAL SKILLS

Programming Languages: HTML, CSS, JavaScript

Cloud Deployment and Technologies: Git, feature branch workflow, AWS (EC2)

Database Concepts and Technologies: NoSQL, PostgreSQL, MongoDB, Mongoose, Database scaling

Server-Side Concepts and Technologies: Node.js, Express.js, MVC

Client-Side Concepts and Technologies: React.js, AJAX / Fetch, Component-Based Architecture

Fundamentals of Computer Science: Data Structures, Algorithms, Object-oriented design, ORM/ODMs

SOFTWARE ENGINEERING APPLICATIONS

Atelier | Front-End Engineer | JavaScript, React, Tailwind CSS

E-commerce platform for users to buy and review various products

- Utilized React-based library to design reusable and modularized components to create a dynamic, efficient webpage
- Implemented React Hooks and React Context API to manage state and improve code efficiency
- Applied CSS Tailwind Grid and Flexbox systems for layout to ensure accessibility across different devices

Arrow | Full-Stack Engineer | JavaScript, PostgreSQL

Legacy application refactored and optimized to handle an additional 2,000 requests per second

- Developed RESTful API endpoints using Node.js and Express to handle CRUD operations for a Q&A service
- Conducted performance testing using k6 to identify bottlenecks, achieving request latency under 50ms
- Optimized PostgreSQL queries and server-side logic to enhance performance and scalability

Blue Ocean | Full-Stack Engineer | JavaScript, React

Application for users to explore, plan, and book cruises

- Led the design and development of user interface features, enhancing site usability and visual appeal.
- Leveraged conditional rendering and responsive design to improve performance while enhance user experience
- Implemented Git workflow to streamline collaboration, manage version control, and resolve merge conflicts

EXPERIENCE

Deloitte | Senior Solutions Consultant

Sep '21 - Dec '23

- Developed an automated tool to analyze client transactions and detect suspicious activity or data inconsistencies
- Created and implemented tests to assess the effectiveness of client internal controls
- Reviewed deliverables prepared by junior staff to ensure quality and accuracy

KPMG | Senior Audit Associate

Jan '19 - Sep '21

- Collaborated with client management to identify key deadlines based on risk assessment
- Created data visualizations in Power BI to provide a more robust and informed decision-making process
- Automated sampling process using IDEA, reducing sample selection time by 50%

EDUCATION

Hack Reactor | Software Engineering Immersive Program

Jul '24

12-week software engineering immersive program with over 500 hours of coding

UTSA | Master of Business Administration (MBA)

Dec '18

Trinity University | B.S. in Business Administration

May '17