Timothy Engle

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TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python
Cloud Deployment and Technologies: DevOps, GH Actions, Docker, Git, feature branch workflow, AWS (EC2)
Database Concepts and Technologies: SQL, NoSQL, MongoDB,Database scaling, MongoDB driver PostGreS,
Server-Side Concepts and Technologies: Node.js, Express.js, MVC, Stress Testing & Scalability
Client-Side Concepts and Technologies: React.js, HTML5/CSS3, DOM & DOM API, Event Listeners,

RELEVANT PROJECTS

Leetcode Tracker | Full Stack Engineer | Node, Express, MongoDB   Aug '23

- Implemented a user-friendly CLI frontend using Inquirer, streamlining interactions & enhancing user experience with **intuitive commands** & interactive prompts
- Developed high-performance REST API service in **Express.js 4.0 (Typescript)** that handled over 1000rps
- Streamlined account security & verification process using Gmail for **account authentication** & updating
- Optimized noSQL queries in MongoDB using MongoDb driver
- Enabled users to track their LeetCode performance, receive personalized review questions, and compare results with peers.
- Eliminated major errors by writing a full suite of tests in **Jest.**

Litter.AI | Backend Engineer | MERN, RESTful API, Jest, Postman, k6   Jul '23

- Developed a scalable JavaScript API for a civic tech project, leveraging **AI to improve waste management.**
- Collaborated with a cross-functional team to integrate AI technology and develop user engagement features.
- Improved server CPU usage by leveraging MongoDB to aggregate data instead of using JS to map arrays through i**mplementing automated testing & load/stress testing using k6**

Atelier | Front-End Engineer, Team Lead | React, React Testing Library   Jun '23

- Managed app wide state by utilizing API requests through front-end component interaction
- Advocated for accessibility improvements by suggesting semantic HTML changes to the development team, resulting in an increased accessibility score from 75% to 98%
- Managed and resolved front-end components conflicts using Agile development methodologies, ESLint, and software testing principles within code base, including unnecessary API requests, CSS selector conflicts resulting.

PROFESSIONAL EXPERIENCE

Open Source San Jose | REST API Developer   Sep '23 - Present

- Designed and maintained an API to leverage AI technology to improve waste management and develop user engagement features.

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive Program   May '23 - Aug '23