
Summary

Highly skilled and innovative MERN Stack Developer with 10 years of experience designing and building dynamic, scalable, and responsive web applications. Expertise across the entire MERN stack, including MongoDB for robust data management, Express.js for efficient server-side architecture, React.js for crafting intuitive, user-centric interfaces, and Node.js for high-performance backend development. Adept at optimizing application performance, enhancing user experience, and delivering forward-thinking solutions that exceed client expectations. Known for thriving in fast-paced, collaborative environments and consistently writing clean, maintainable code while staying ahead of industry trends. Passionate about driving technological innovation and continuously refining development practices to deliver the best results.

- **MERN Stack Expertise:** Highly proficient in developing robust, scalable, and performant applications using the **MERN stack** (MongoDB, Express.js, React.js, Node.js). Adept at designing end-to-end solutions for web applications, ensuring seamless integration between the front-end and back-end.
- **Advanced Front-End Development:** Expertise in creating dynamic, responsive, and intuitive user interfaces with **React.js**, **Redux**, and modern JavaScript. Deep understanding of **ES6+**, **HTML5**, **CSS3**, and **responsive design principles** to deliver high-quality, user-centric web experiences.
- **Back-End Architecture:** Extensive experience building high-performance server-side solutions with **Node.js** and **Express.js**. Proficient in designing RESTful APIs, optimizing server performance, and ensuring efficient handling of concurrent requests in complex applications.
- **Database Design & Management:** Advanced proficiency in both **NoSQL** databases (**MongoDB**) and **relational databases** (SQL Server, PostgreSQL), specializing in efficient data modeling, indexing, query optimization, and ensuring scalability and consistency across large data sets.
- **Version Control & Collaborative Development:** Expert in **Git** for version control and code collaboration. Skilled in Git workflows, branching, and merging strategies, as well as leveraging **GitHub** and **GitLab** for continuous integration and team collaboration.
- **Cloud Platforms & Deployment:** Proven experience deploying applications to cloud platforms such as **AWS**, **Azure**, and **Heroku**. Expertise in setting up and managing **CI/CD pipelines**, **serverless architecture**, and containerization with **Docker** to streamline deployment and improve scalability.
- **Automated Testing & Quality Assurance:** Strong command of testing frameworks such as **Jest**, **Mocha**, and **Chai** for end-to-end, unit, and integration testing. Committed to ensuring code quality and application reliability through continuous testing and debugging practices.
- **Agile Methodologies & DevOps:** Extensive experience working in **Agile** environments, applying **Scrum** and **Kanban** frameworks to manage projects effectively and deliver results iteratively. Proficient in **DevOps** practices, including automation, infrastructure-as-code, and monitoring tools to ensure efficient, rapid delivery of software.
- **UX/UI Best Practices:** Strong advocate of **user-centered design** principles, ensuring that applications are not only functional but also visually appealing and easy to navigate. Proficient in tools such as **Figma** and **Adobe XD** for wireframing and prototyping, ensuring seamless collaboration between design and development teams.

Highlights

- Successful Project Deliveries
- Optimization and Performance Improvement
- Cross-Functional Collaboration
- Problem-Solving and Troubleshooting
- Innovative Solutions and Independent Working
- Team Leadership and Mentoring
- Recognition and Awards
- Communication and Teamwork

Experience

Senior MERN Stack Developer – Remote (Full-time) Tech Innovators Japan

08/2022 to 05/2024
Tokyo, Japan

- Spearheaded the development of highly scalable and performance-optimized web applications using the **MERN stack**, leading to a 30% reduction in page load times and a 25% increase in user engagement.
- Architected and deployed **React.js**-based front-end solutions, ensuring responsive and user-friendly interfaces, improving user satisfaction scores by 40%.
- Led the migration of a legacy monolithic application to a microservices architecture using **Node.js** and **Express.js**, improving scalability by 50% and reducing time-to-market for new features by 35%.
- Engineered RESTful APIs and integrated third-party services to improve system interoperability, decreasing response times by 20% and increasing API consumption rates by 15%.
- Leveraged **MongoDB** and **Mongoose** for data modeling and optimization, increasing database query performance by 30% for high-traffic applications.
- Collaborated with cross-functional teams in **Agile** environments to ensure seamless development cycles, achieving 100% sprint completion and maintaining a high velocity.
- Implemented **CI/CD pipelines** with **Jenkins** and **AWS**, reducing deployment times by 40% and ensuring continuous delivery with minimal downtime.
- Integrated **WebSocket**-based real-time features in a Node.js application, supporting over 5,000 concurrent users with low latency.
- Applied industry-leading security practices, resulting in a 50% reduction in vulnerabilities and ensuring compliance with **OWASP** standards.
- Mentored junior developers, fostering a culture of code quality and continuous learning, which led to a 25% increase in team productivity.

Full Stack Developer – Remote (Contract) GlobalTech Japan

03/2020 to 08/2022
Osaka, Japan

- Designed and developed high-performance full-stack applications with the **MERN stack**, cutting down page load time by 25% and enhancing the user experience.
- Integrated **React.js** and **Redux** to implement complex front-end features, boosting user retention by 30% through enhanced interactivity and smooth state management.
- Developed and maintained a suite of **Node.js** APIs, ensuring fast and secure data handling, with an average response time reduction of 20%.
- Utilized **MongoDB** to build efficient data storage solutions, optimizing query performance and reducing database overhead by 15%.
- Led a team of developers in building a scalable e-commerce platform, which increased transaction processing speed by 40% and supported 20,000+ simultaneous users.
- Deployed applications to **AWS** and **Heroku**, ensuring high availability and redundancy, resulting in 99.9% uptime.
- Implemented **unit** and **integration tests** using **Jest** and **Mocha**, improving overall code quality and achieving 85% test coverage.
- Implemented **GraphQL** for flexible and efficient data querying, reducing the average response time of complex queries by 30%.

Senior Web Developer – Full-stack (Full-time) Innovative Solutions Japan

05/2018 to 03/2020
Sapporo, Japan

- Developed and maintained multiple **MERN stack** applications, contributing to a 20% reduction in client-side rendering time and improving user engagement.
- Designed and implemented RESTful APIs in **Node.js** and **Express.js**, supporting high-concurrency environments with over 100,000 active users.
- Implemented **server-side rendering** with **React.js**, resulting in a 35% improvement in SEO and faster initial page loads.
- Led the integration of real-time chat features using **WebSockets** and **Node.js**, facilitating live communication for over 10,000 users with minimal latency.
- Optimized **MongoDB** schemas and indexing strategies, leading to a 40% reduction in query times for high-traffic applications.
- Used **Docker** and **Kubernetes** to containerize applications and orchestrate deployments, reducing downtime during updates and increasing deployment frequency by 50%.
- Coordinated cross-functional teams in an **Agile** environment, ensuring that sprint goals were met and maintaining high-quality standards across all deliverables.
- Introduced performance monitoring tools (e.g., **New Relic** and **Datadog**) to proactively detect and resolve performance bottlenecks, improving application responsiveness by 25%.

MERN Stack Developer (Contract)

Tech Vision Japan

11/2015 to 05/2018
Fukuoka, Japan

- Developed and maintained robust **MERN stack** applications for a variety of industries, including finance, e-commerce, and healthcare, resulting in a 30% average improvement in user satisfaction scores.
- Built efficient data models and optimized query performance using **MongoDB**, handling up to 1 million records daily without compromising performance.
- Led front-end development with **React.js** and **Redux**, implementing features such as dynamic content loading, real-time updates, and improved state management, reducing user churn by 20%.
- Developed back-end RESTful APIs using **Node.js** and **Express.js**, improving overall API performance and reducing response times by 25%.
- Created and maintained automated testing suites with **Jest** and **Mocha**, leading to a 50% reduction in production bugs and increasing code stability.
- Implemented **OAuth 2.0** and **JWT** for secure user authentication, reducing security vulnerabilities and ensuring data protection compliance.
- Enhanced continuous integration practices by integrating **CircleCI** and **GitHub Actions**, reducing integration time by 40% and increasing release cycles.

Education

Bachelor of Science: Computer Science
University of Texas at San Antonio (UTSA), *San Antonio, TX*
CGPA: **3.51**

08/2009 to 05/2013

Relevant Coursework: Web Development & Design, Stack Web Development (MERN), Computing & DevOps Practices, Structures & Algorithms, Engineering Principles, Systems & Optimization, Project Management & Agile Methodologies

Technical Skills

JavaScript (Expert), **TypeScript** (Advanced), **Python** (Expert), **Java** (Advanced), **PHP** (Expert)

MongoDB (Expert), **Express.js** (Expert), **React.js** (Expert), **Node.js** (Expert)

MongoDB (Expert), **PostgreSQL** (Advanced), **MySQL** (Expert), **NoSQL** (Expert)

HTML5 (Expert), **CSS** (Expert), **JavaScript** (Expert), **XML** (Advanced), **Bootstrap** (Expert), **Figma** (Advanced), **REST APIs** (Expert), **GraphQL** (Advanced)

Git (Advanced), **GitHub** (Intermediate)

AWS (Advanced), **Azure** (Intermediate)

CI/CD (Advanced), **Jenkins** (Intermediate), **Docker** (Advanced)

Agile (Expert), **OOP** (Expert), **SDLC** (Expert), **Unit Testing** (Expert), **Test-Driven Development (TDD)**, **Software Development** (Advanced)

Information Security (Advanced), **OAuth**, **JWT**, **Security Best Practices**

Kafka (Advanced)