

# JAY SHAH

Tempe, AZ ◊ (623)-287-9790 ◊ Open to Relocating or Remote Work ◊ [Email](#) ◊ [LinkedIn](#) ◊ [Portfolio](#)

## SUMMARY

Full-Stack Developer with 2.5 years using the MERN stack. Experience delivering applications that improve user engagement and optimize API performance. Proficient in system stability, security implementation, and integrating Google Gemini and other AI APIs for advanced tooling. Ready to contribute advanced development and AI integration skills to forward-thinking projects.

## EDUCATION

### Arizona State University - Master of Science, Information Technology

January 2024 – December 2025, GPA: 4.0 / 4.0

## WORK EXPERIENCE

### Marketix - Junior Full Stack Developer

January 2021 – October 2023

Ahmedabad, India

- Engineered 10+ interactive client websites leveraging the MERN stack, boosting user engagement by 25%.
- Enhanced RESTful API efficiency, cutting response time by 30%, elevating overall system speed and reliability.
- Fortified application defenses through comprehensive validation mechanisms, mitigating security risks and decreasing vulnerability by 40%.
- Architected and organized 10+ MongoDB databases to boost query performance and simplify data access.
- Conducted over 130 unit tests across UI and backend components, enhancing system stability and reducing post-launch defects through application of algorithms for error detection.
- Implemented scalable microservices architecture for client projects, improving system modularity and reducing deployment time by 20%.
- Designed and maintained CI/CD pipelines using GitHub Actions and AWS, reducing deployment errors and accelerating release cycles by 25%..

### Marketix - Intern

October 2020 – December 2020

Ahmedabad, India

- Translated detailed UI wireframes into responsive, cross-device compatible interfaces using modern frontend technologies, improving accessibility by 30%.
- Integrated React Router and Redux, enabling seamless navigation flow and robust state control, resulting in a 15% reduction in user navigation errors.
- Constructed backend logic with Express.js and Node.js, optimizing data processing workflows and decreasing server response latency by 22% using efficient data structures.
- Utilized MongoDB and MySQL to refine data persistence methods, reducing query duration by 25%.
- Deployed JWT-based authentication to block unauthorized access and fortify overall system integrity by 85%.
- Developed automated testing scripts using Jest and Mocha, increasing testing coverage by 40% and reducing bug turnaround time.
- Assisted in deploying projects to AWS with Docker containers, improving deployment efficiency and reducing downtime by 15%.

## PROJECTS

### Startup KPI Tracker (React.js, Node.js, Express.js, MongoDB, JWT, Tailwind CSS) - ([GitHub Link](#))

- Crafted a comprehensive KPI dashboard prototype for SaaS companies featuring secure login, real-time metric visualization (MRR, CAC, churn), automated mock data generation, advanced filtering, and CSV export capabilities, demonstrating strong full-stack skills and improving data insight efficiency by 40%.

### Audio Summary Generator (React.js, Node.js, Express.js, AssemblyAI, Google Gemini API, Tailwind CSS) - ([GitHub Link](#))

- Created a full-stack application enabling audio file uploads, transcription via AssemblyAI, and generation of human-like summaries using Gemini API with iterative refinement and responsive UI feedback, reducing manual summarization effort by 60%.

### AI Code Reviewer (React.js, Node.js, Express.js, Tailwind CSS, Google Gemini API) - ([GitHub Link](#))

- Built an AI-driven code review tool providing structured Gemini-powered feedback on bugs, suggestions, and coding best practices, enhancing code quality assessment accuracy by 50%.

## SKILLS

**Languages/Frameworks/Libraries:** HTML5, CSS, JavaScript, Python, React.js, Redux, Express.js, MUI, Flask

**Backend/Runtime/Databases:** Node.js, RESTful APIs, JWT, MongoDB, MySQL, PostgreSQL

**Tools / Cloud / Other:** Git, GitHub, VsCode, AWS, Jupyter, Tableau, AJAX, phpMyAdmin, CI/CD