JAINI SHAH

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Full-Stack Software Engineer with 4+ years of experience building scalable web applications and AI-powered platforms. Skilled in **React, Node.js, Python,** and **AWS**, with a focus on performance, security, and **CI/CD** automation. Proven success delivering production-grade systems that solve real-world challenges through clean, efficient code.

EDUCATION

M.S., Computer Science — Jan 2023 - May 2025
Loyola Marymount University, Los Angeles, United States — **GPA - 3.76**
Coursework: Artificial Intelligence, Data Science, Agile methodology, Database Systems, Program Language Semantics

B.E., Information Engineering — Aug 2018 - May 2022
Gujarat Technological University, Ahmedabad, India — **GPA - 3.82**
Coursework: Object Oriented Programming, Web Programming, Mobile Application Development, Operating System and Virtualization, Data Structures and Algorithms

SKILLS

Frontend Development: React.js, Next.js, Vue.js, Angular, TypeScript, Tailwind CSS, HTML5, CSS3, GraphQL, Figma

Backend Development: Node.js, Express.js, NestJS, Python, FastAPI, Django, Sails.js, OAuth 2.0, JWT

Databases & Data Management: MySQL, PostgreSQL, MongoDB, SQLite, Firebase, Supabase, Caching (Redis)

Cloud & DevOps: AWS (EC2, S3), Docker, Kubernetes, Git, GitHub Actions (CI/CD), Heroku, Azure, Apache Kafka, Nginx

Testing & Debugging: Mocha, Jest, Postman, Swagger, Unit Testing, Heatmaps

AI/ML Tools: OpenAI API, spaCy, Whisper, MediaPipe, Google TTS, TensorFlow, scikit-learn

Real-time & Integration Tools: Socket.io, REST APIs, WebSockets, gRPC

EXPERIENCE

Software Developer — May 2023 - May 2025
Loyola Marymount University

- Engineered 4+ university apps with **React.js, Node.js,** and **MongoDB**, automating workflows, eliminating 35% of manual efforts.
- Spearheaded migration of Java-based systems to Node.js, cutting maintenance time by **30%** and boosting app scalability.
- Secured REST APIs with JWT, Duo 2FA, and role-based access control, ensuring compliance with university IT standards.
- Integrated **AWS** S3 for secure document storage and handled backend logging using AWS CloudWatch.

Full-Stack Software Engineer — Dec 2020 - Dec 2022
Shiv Infotech

- Architected and deployed 6+ full-stack web applications leveraging **Next.js, Angular, Node.js**, and shipped production-ready apps.
- Adopted **Docker**-based containerization and **CI/CD pipelines** with GitHub Actions, minimized deployment failures by 40%.
- Reduced **database** query latency by 45% using Redis caching and SQL stored procedures on PostgreSQL and MySQL.
- Wrote unit tests and E2E tests using **Mocha** and **Jest**, achieving code coverage of 95% and reducing post-deployment bugs by 30%.
- Implemented **Kafka**-based event streaming to process real-time logistics updates under 200ms latency.
- Boosted API speed by 40% through Lazy Loading and Webpack optimizations.
- Mentored **10+ developers**, cultivating a culture of rapid delivery and execution.

PROJECTS

AI-Powered Job Interview Simulation, Loyola Marymount University — Jan 2025 - May 2025
Built an AI interview platform that evaluates tone, speech, and facial cues in real time, simulating realistic job interview scenarios.

- Implemented NLP-based resume parsing **spaCy**, **OpenAI** GPT-4 to generate 10+ personalized questions per session.
- Achieved 85% accuracy in response evaluation using **MediaPipe, Whisper,** and **Google TTS** across 30+ mock interviews.
- Deployed backend with **FastAPI** and **PostgreSQL** on **AWS Lambda**, frontend using **React.js** and **Tailwind**.

Revenue-Based Financing System, Shiv Infotech — Aug 2021 - Dec 2022
Created a financing platform enabling 20+ businesses to raise capital via syndicate investments between businesses and investors.

- Designed using **NestJS (TypeScript), PostgreSQL,** and **Vue.js** to support 10K+ concurrent users with low latency.
- Managed GitHub-based code reviews and sprints in a 7-member Agile team, achieving 98% on-time delivery for feature releases.

Social Networking Platform, Shiv Infotech — Mar 2021 - Aug 2021
Developed a platform with user matching, real-time messaging, posts, and user engagement analytics.

- Utilized **NestJS** and **MySQL** for a secure and scalable architecture with **React, AWS S3** for media storage.
- Integrated real-time chat with <50ms latency using **WebSockets**, data privacy via OAuth, and documented APIs with **Swagger**.