
PROFESSIONAL SUMMARY

Results-driven Full-Stack Engineer with 2+ years of experience designing and deploying scalable, high-performance web applications using the MERN stack and modern cloud infrastructures. Proven expertise in architecting secure, modular APIs, optimizing system performance, and implementing CI/CD pipelines on AWS and Docker. Passionate about building intelligent, data-driven, and AI-integrated solutions that enhance user experience and drive business impact through engineering excellence and innovation.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, C++

Frontend: React.js, Next.js, Redux, Tailwind CSS, HTML5/CSS3

Backend: Node.js, Express.js, FastAPI, RESTful APIs, GraphQL

Databases: MongoDB, PostgreSQL, MySQL

Cloud & DevOps: AWS (Lambda, EC2, S3), GCP, Docker, GitHub Actions, CI/CD Pipelines, Vercel

AI & NLP: OpenAI API, LangChain, Whisper, spaCy, HuggingFace Transformers

Testing & Tools: Jest, Postman, Git, Figma, Jupyter

WORK EXPERIENCE**Software Engineer**

Nov 2022 – Nov 2024

Growexx • Ahmedabad, India

- Developed and deployed **MERN applications** for global e-commerce and fintech clients, improving scalability and reliability.
- Built **RESTful APIs** with Node.js and Express, integrated **Stripe, Firebase, and Twilio** for payments and notifications.
- Implemented **JWT authentication** and **RBAC** for multi-tenant systems to enhance security and data isolation.
- Deployed containerized apps using **AWS (EC2, Lambda, S3)** and **Docker**, boosting release reliability by **40%**.
- Collaborated with **UI/UX teams** to deliver responsive React.js frontends and mentored junior developers.

PROJECTS**InterviewMate – AI-Powered Interview Platform**

Hack Arizona – Best AI in Education | Tech: React.js, Node.js, MongoDB, OpenAI GPT-4, Whisper, LangChain, AWS

- Developed an **AI-driven interview automation platform** where an avatar asks, transcribes, and evaluates responses using GPT-4.
- Designed a **streaming-style React.js interface** with real-time transcription, feedback panels, and automated video sequencing.
- Built backend **microservices and RESTful APIs** to manage interview flow, candidate sessions, and scoring pipelines.
- Integrated **LangChain** for multi-prompt orchestration and **Whisper** for low-latency speech-to-text, improving processing speed by ~30%.

NeurolyticAI – Healthcare AI Transcription Platform

Tech: TypeScript, React.js, Node.js, Express.js, MongoDB, AWS S3, OCR/NLP

- Developed **interactive dashboards** for doctor-patient transcription review, compliance tracking, and error analytics.
- Designed **modular React components** for real-time accuracy visualization and administrative workflows.
- Built **backend services** using Node.js, Express, and MongoDB to handle transcription storage and document retrieval from **AWS S3**.
- Integrated OCR/NLP processing pipelines for automated transcription validation and performance benchmarking.

Property Booking and Management Platform

Tech: React.js, Node.js, Express.js, MongoDB, AWS EC2, Stripe, JWT, Pub/Sub, Checkr API

- Built a **full stack booking platform** for rentals featuring user authentication, dynamic property listings, and secure payment integration.
- Developed **RESTful APIs** for booking workflows, property management, and **Stripe-based transactions** with webhook event handling.
- Implemented **Pub/Sub event architecture** to manage asynchronous notifications, booking updates, and real-time availability tracking.
- Integrated **Checkr API** for automated host and guest background verification, enhancing trust and compliance.
- Deployed on **AWS EC2** with Nginx reverse proxy and SSL configuration, achieving **99.9% uptime** and secure user access.

Interactive Piano Learning System

Tech: MERN Stack, JWT, Redux, Stripe, AWS S3, WebSockets, CRM, LearnWorlds API

- Built a **video-based piano learning system** featuring structured lessons, progress tracking, and interactive practice modules.
- Developed **React + Redux** frontends for managing lesson flow, user sessions, and subscription state.
- Designed **REST APIs** in **Node.js/Express** for course management, user progress, and **Stripe-based payments**.
- Integrated **LearnWorlds API** for course playback, progress syncing, and content delivery.
- Connected a **custom CRM integration with webhooks** to sync admin updates (plans, progress, enrollments) and trigger real-time backend actions, while using **AWS S3** for secure video hosting and caching to improve load performance by **35%**.

EDUCATION

Master of Science in Information Science (GPA - 4.0/4.0)

University of Arizona – Main Campus

Jan 2024 - Dec 2025

Bachelor of Technology in Computer Science & Engineering

Rajasthan Technical University

Jul 2018 - Apr 2022