

WORK EXPERIENCE

Software Engineer

Nov 2022 – Nov 2024

Growexx • Ahmedabad, India

- Developed robust web applications using MERN stack (MongoDB, Express, React, Node.js) for global clients across e-commerce and fintech domains.
- Led backend development for scalable REST APIs with Node.js, integrated third-party services (Stripe, Firebase, Twilio) and optimized database queries.
- Collaborated with UI/UX designers to implement clean, responsive, and dynamic frontends in React.js.
- Implemented JWT-based authentication and role-based access control for multi-tenant systems.
- Used AWS (EC2, Lambda, S3) and Docker to deploy production-grade applications, improving deployment reliability by 40%.
- Mentored junior developers and performed code reviews to ensure code quality and architectural best practices.

PROJECTS

InterviewMate – AI-Powered Interview Platform

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

- Built a video interview platform where an AI avatar asks questions, transcribes candidate responses, and evaluates them using GPT-4.
- Designed a streaming-style interface (similar to YouTube) with transcription panels, dynamic feedback, and auto-play features.
- Developed backend services to orchestrate interview flow, store candidate sessions, and call scoring APIs.
- Integrated LangChain for prompt chaining and GPT reasoning, and Whisper for real-time speech-to-text conversion.
- Ensured low latency by caching transcription results and implementing client-side sync.

NeurolyticAI – Healthcare AI Transcription Platform

Tech: TypeScript, React.js

- Developed frontend dashboards in React to display doctor-patient transcriptions and highlight compliance flags.
- Designed responsive UI components for transcription accuracy metrics, error review, and admin controls.
- Collaborated with backend engineers on API contracts; backend pipeline (FastAPI, OCR/NLP) is under development.

Invoice OCR + Matching Engine

Tech: Tesseract OCR, AWS Lambda, Databricks, FastAPI, MongoDB

- Created an automated pipeline to extract invoice data from scanned documents and match it with payment records.
- Deployed logic as microservices on AWS Lambda and used FastAPI to expose API endpoints.
- Created a golden dataset with matched transactions and pushed the cleaned data into Databricks for analytics.

Customer Portal with Role-Based Access Control

Tech: MERN Stack, JWT, React Context API

- Developed a multi-tenant portal with role-based dashboards and secure user authentication.
- Implemented protected routes and session management using JWT and React Context.
- Built reusable React components and styled them using Tailwind CSS for quick UI iterations.

SKILLS

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

Frontend: React.js, Next.js, Tailwind CSS, HTML/CSS

Backend: Node.js, Express.js, FastAPI, REST APIs

Databases: MongoDB, PostgreSQL, MySQL

Cloud & DevOps: AWS (Lambda, S3, EC2), GCP, Databricks, Docker, GitHub Actions, Vercel

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

Other: Postman, Figma, Power BI, Tableau, Jupyter, Git

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

AWARDS & EXTRACURRICULAR

- Rising Star, Performer of the Quarter, and multiple Brownie Points – Growexx.