

YOGESH PATIL

Software Development Engineer

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TECHNICAL SKILLS

Languages: Python, Node.js, JavaScript, TypeScript, React, FastAPI, GraphQL
Cloud & DevOps: AWS (Lambda, API Gateway, S3, CloudWatch, SNS/SQS), GCP (Cloud Functions, Firebase), Docker, Kubernetes, GitHub Actions, CI/CD Pipelines
Databases: PostgreSQL, MongoDB, Redis, DynamoDB, SQL
Systems & Architecture: Microservices, Event-Driven Architecture, REST APIs, Serverless, Message Queues (DLQ)
AI/LLM Tooling: LangChain, Retrieval-Augmented Generation (RAG), Prompt Engineering, A/B Testing, LLM

WORK EXPERIENCE

Impel AI - Conversational Service AI Platform Remote, New York, USA
Software Engineer Intern Jan 2025 – May 2025

- Developed LangChain powered generative AI pipeline using Retrieval-Augmented Generation (RAG) to automate 70% of dealership service appointment workflows, reducing outreach and scheduling time by 80%.
- Implemented asynchronous messaging with Amazon SQS and dead-letter queues (DLQ) across SMS/Email channels, reducing real-time communication latency by 66% for customer notifications.
- Created an LLM based validation middleware for entity extraction and intent classification, improving conversation linking accuracy by 32% and increasing milestone reliability by 28% across multi-channel workflows.
- Enhanced appointment scheduling outcomes by A/B testing LLM driven personalization and deploying containerized microservices (integrated with dealership management systems and calendar APIs), resulting in 19% increase in confirmed appointments and 25% decrease in customer abandonment.

Software Engineer Intern (Backend APIs & Cloud Infrastructure) May 2024 – Aug 2024

- Built RESTful backend services in Python and Node.js to streamline appointment scheduling and customer data integration across dealership platforms, improving API response times by 42%.
- Designed CI/CD pipelines and containerized microservices on AWS (Docker) to automate deployments, reducing deployment time by 60% and cutting regression errors by 45%, which accelerated release cycles significantly.
- Engineered event-driven architecture using AWS SNS and SQS for GenAI inference routing, increasing pipeline throughput by 37% and enhancing service reliability in high-concurrency LLM environment.

Tech Prescient – Product Engineering for SaaS Remote
Software Engineer Mar 2022 – Jul 2023

- Led development of role-based access control admin console in React/Typescript with Okta SSO integration for Vonage’s enterprise portal, enabling secure multi-tenant user provisioning and driving a 4x increase in platform adoption.
- Implemented CI/CD pipelines using GitHub Actions and AWS, standardizing build/test automation across full-stack services and improving deployment efficiency by 48% for real-time geospatial dashboards.
- Built a greenfield microservice for Maxar to unify 100+ oceanographic data sources, improving vessel tracking analytics across 5k+ maritime data points and enabling \$100K+ in projected new revenue.

Xoriant Solutions Pvt. Ltd. – Business Systems Mumbai, India
Software Engineer Nov 2020 – Mar 2022

- Developed Node.js/React payroll and leave management system for 3,000+ employees, using Redis caching and MongoDB to automate manual HR processes, saving 20+ engineering hours per week in routine tasks.

PROJECTS

JobFit AI – Career Copilot Platform (JobFitAI.iamyogesh.com) May 2025 – Current

- Built serverless LangChain pipeline (RAG on Firebase) to power AI-driven career tool, enabling LLM based resume feedback, ATS scoring, and gap analysis, improving resume match by 40%.

EDUCATION

Syracuse University New York, USA
Master of Science, Computer Science May 2025
University Of Mumbai Mumbai, India
Bachelor of Engineering, Computer Science Engineering May 2020