YOGESH PATIL

Software Development Engineer

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TECHNICAL SKILLS

Languages: Python, Node.js, JavaScript, TypeScript, React, FastAPI, GraphQL, HTML5
Cloud & DevOps: AWS (Lambda, API Gateway, S3, CloudWatch, SNS/SQS), GCP (Cloud Functions, Firebase), Docker, Kubernetes, GitHub Actions, CI/CD Pipelines
Databases: PostgreSQL, SQL, NoSQL (MongoDB, Redis, DynamoDB)
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*