Vishal Parekh

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EDUCATION

Texas A&M University - Commerce   Commerce, TX
Master of Science in Computer Science   *2020*

Southern Methodist University   Dallas, TX
Bachelor of Arts in English   *2017*

EXPERIENCE

Software Engineer   January 2024 – Present
State Farm   *Dallas, TX*
- Build and refactor Node.js APIs for a document catalog manager using structural design patterns and reusable interfaces, reducing technical debt by 20%
- Serve as technical lead of Consumer API to enable B2B data integration and processing to downstream systems
- Architect and design document analysis tool with CSV download feature for large datasets
- Design and develop UI components for business-facing applications using TypeScript and React
- Deploy and service enterprise applications to AWS using Terraform and GitLab
- Leverage and fine-tune OpenAI LLM assistant and user roles to perform design pattern validation in code reviews

Software Engineer   November 2021 – September 2023
Rocket Dollar (acquired by WAO Fintech)   *Austin, TX*
- Built and optimized REST APIs for Stripe-integrated payment processing system using Python, FastAPI, and PostgreSQL which resulted in a 30% reduction in transaction errors and a 20% decrease in API response times
- Designed and developed UI components using TypeScript, React, & Next.js
- Spearheaded CI/CD pipeline configuration using GitHub actions to deploy web services on AWS
- Implemented dependency caching in pipeline jobs which resulted in a 25% reduction in deployment time
- Wrote unit tests using pytest and jest and automated them in the CI build step
- Created background & scheduled jobs to update communication channels with sales metrics
- Wrote and reviewed engineering requirements documents for product features
- Monitored, triaged, and resolved production issues and outages to maintain company average of 99.95% uptime

Founder and CEO   July 2021 – October 2021
Forwardtech Solutions   *Dallas, TX*
- Built a suite of web applications for real estate conglomerate to facilitate buy-side lead generation for investment properties and establish e-commerce ready web presence for a building supply company using TypeScript, React, Node.js, & Next.js: landmarkpropertydallas.com and landmarkbuildingco.com

Associate – Developer (Consultant)   March 2021 – June 2021
KPMG LLP   *Dallas, TX*
- Built RPA solutions by automating repetitive tasks in web applications
- Developed backend automation workflow for a payment reconciliation application
- Analyzed clients' business process flows to gather system requirements

Software Systems Engineer   December 2019 – February 2021
Platform Developer & DevOps Intern   May 2019 – December 2019
Mr. Cooper (Formerly Nationstar Mortgage)   *Dallas, TX*
- Developed B2B APIs to transform loan data from XML to JSON to enable consumption by downstream systems
- Built and integrated Python Azure Function with queuing system to initiate home loan credit report requests
- Lead development of API used in automated approval process which resulted in a 50% reduction in processing time
- Examined query patterns and optimized MongoDB performance using indexing
- Performed systems analysis and data mapping for new vendor onboarding
- Presented company-wide tech talks on API development in Microsoft Azure

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, C/C++, SQL, NoSQL, & Redis
Frameworks & Libraries: FastAPI, Flask, GraphQL, Express.js, Next.js, React, & Material-UI
Tools: AWS (Certified Cloud Practitioner), Microsoft Azure, Git, Playwright, Docker, OpenAI API, & LangChain
Skills: Agentic AI Systems, Automated Testing, Technical Documentation, Agile(Scrum), SDLC, & CI/CD