

Sheikh Fahan

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EDUCATION

Bachelor of Engineering CSE
Visvesvaraya Technological University

Mangalore, KA, India
Dec 2020 - May 2024

TECHNICAL SKILLS

Languages: Python, Go, JavaScript/TypeScript, Java
Frontend: React, Next.js, AngularJS, ApolloClient, TailwindCSS
Backend: Django, DRF, TastyPie, FastAPI, Go-Fiber, Go-Chi, GraphQL, REST APIs
Cloud/DevOps: AWS, Grafana, Docker, GitHub Actions, Linux
Databases: Qdrant, MongoDB, PostgreSQL, SQLite

EXPERIENCE

Full Stack Engineer

Docxster AI, Bangalore, Karnataka

Oct 2024 - Present

- Worked closely with clients and collaborated cross-functionally with product and design teams to scope features and evaluate technical tradeoffs.
- Architected and built a vendor-agnostic asynchronous document processing platform integrating OCR and LLM providers, reducing engine load by 20% while enabling scalable, event-driven workflows.
- Developed a multilingual document extraction engine from scratch to process complex document structures, improving processing efficiency by 50% across diverse document formats.
- Denormalized database schemas and optimized query patterns, reducing database load by over 3× for latency-sensitive services.
- Engineered high-performance document extraction related algorithms for complex data processing workflows, achieving a 0% error rate in production.
- Migrated performance-critical backend services from Python to Go, improving execution speed by 3× while significantly reducing memory consumption.
- Designed secure backend APIs and asynchronous services by implementing authentication, authorization, rate limiting, and quota enforcement to improve reliability and resource utilization.
- Built and maintained a real-time synchronization microservice using GraphQL subscriptions to communicate with on-premise agents, contributing to scalable enterprise deployments and 15% market expansion.
- Implemented end-to-end observability using OpenTelemetry, Grafana, and Alloy, enabling distributed tracing, centralized logging, and production performance monitoring across services.
- Collaborated cross-functionally with product and design teams
- Integrated cloud services including AWS SQS, SNS, Textract, and Google Document AI to automate document processing through scalable, event-driven architectures.

Full Stack Engineer Intern

Instahyre, Delhi, India

Apr 2024 - Sep 2024

- Contributed as a Full Stack Developer to design, optimize and deliver features across the application stack.
- Added features to internal dashboard and decreased load times for certain dashboard pages by up to 70% by optimizing queries and logic.
- Eliminated critical bugs by implementing middleware to handle stringified boolean errors and refactoring dependent logic.
- Worked on Employer specific modules to develop easy to use and intuitive features.
- Diagnosed and resolved edge-case issues stemming from asynchronous operations and complex DB transactions, ensuring data integrity and system reliability.

PROJECTS

- **Stafford GPT - AI Course Advisor**
 - Built an agentic RAG system using OpenAI agents SDK to automate course recommendations for 80+ UK degree programs across 8 partner universities.
 - Engineered specialized AI tools with intelligent routing logic that distinguishes to give tailored responses.
 - Designed Vector Database for fast filter based and semantic retrieval of data.**Technologies:** VPS, FastAPI, Agents SDK, Qdrant, LLM APIs, React.JS
- **DynaTests**
 - Built a full-stack adaptive testing platform using Django and React, generating dynamic question sets based on user progress.
 - Designed RESTful APIs and custom algorithms for analytics and progress tracking; deployed frontend on Vercel and backend on a DigitalOcean VPS with CI/CD pipelines.**Technologies:** React.JS, Django, DjangoRestFramework, PostgreSQL, REST APIs