

Thamjid Mannarayil

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EDUCATION

Royal College of Engineering and Technology

Aug 2016 - Mar 2020

Bachelor of Technology - Computer Science GPA: 6.26

Courses: Operating System, Data Structure, Design and Analysis of algorithms, computer networks

SKILLS SUMMARY

Languages: Python, SQL, JavaScript

Frameworks: Django, Flask, FastAPI, NextJS

Cloud & DevOps: Azure, AWS, Docker, Nginx, Git

Event Driven Systems: Redis, Celery, RabbitMQ, Azure BusService, WebSockets, gRPC, OneSignal

Concepts: Microservices Architecture, Event Driven Architecture, RBAC, OAuth, System Design

EXPERIENCE

Aqary Investment and Development

Abu Dhabi, UAE

AI ML Engineer

May 2025 - Present

- **Architected and developed a microservices based enterprise CRM platform** supporting sales pipeline management, workflow automation, role based access control & AI powered record summarization.
- **Built a reusable AI service layer** enabling automated resume screening, contextual chatbot responses, and intelligent record summarization across CRM and HRMS ecosystems.
- **Designed and implemented a centralized Identity Service** handling authentication, authorization, OAuth app whitelisting, and secure token based inter service communication.
- **Implemented real time event driven architecture** using Celery, Azure Service Bus, WebSockets, and Webhooks for asynchronous processing and responsive system behavior.
- **Containerized and deployed distributed services using Docker** ensuring secure, scalable, and production grade deployments.

Flycatch Infotech Pvt. Ltd.

Kochi, Kerala

Software Engineer

Mar 2022 - Mar 2025

- **Led backend architecture and delivered four customized enterprise applications from scratch**, owning system design, API development, database modeling, and performance optimization.
- **Optimized API performance and system responsiveness** through query tuning, caching strategies, and asynchronous processing mechanisms.
- **Spearheaded backend development of a travel aggregator platform** using microservices, integrating payment gateways and **Elasticsearch** for advanced search capabilities.
- **Led development of a role based LMS and registration system** integrating academic tracking, messaging workflows, and payment gateway systems.
- **Developed CRM and inventory platforms using Django and DRF** automating business workflows and improving operational efficiency.
- **Mentored junior developers and enforced engineering standards** through structured code reviews and architectural guidance.