

ISAAC MARIAN DSOUZA

Full Stack Engineer | AI/ML Engineer

Bangalore, India | +91 7349640806 | isaacdsouza0809@gmail.com | isaacmariandsouza.com

 [isaacmariandsouza](https://www.linkedin.com/in/isaacmariandsouza) |  [IsaacDsouza](https://github.com/IsaacDsouza)

SUMMARY

Full Stack Engineer experienced in building AI-powered platforms, security automation solutions, and cloud-native applications. Strong foundation in Machine Learning and Deep Learning, with expertise in Python, TypeScript, React, Kubernetes, Azure, AI agents, and distributed systems. Experienced in developing compliance intelligence, phishing analytics, and enterprise cloud platforms.

EXPERIENCE

- **Eli Lilly and Company** 

Jan 2026 – Present
Bangalore, India

Cyber Security - Threat Mitigation
 - Built AI-powered compliance and security analytics platforms using Claude agents, FastAPI, Kubernetes, Azure services, and cloud-native architectures.
 - Developed a compliance intelligence assistant enabling auditors to query enterprise evidence and map findings across ISO 27001, NIST, and HIPAA frameworks while enforcing Azure AD group-based RBAC.
 - Automated deployments using GitHub Actions, Docker, Kubernetes, Argo CD, Azure services, and subscription-level cloud resources.
- **BroadBITS - Computer and Network Security** 

May 2024 – June 2025
Remote, Kuwait

Full Stack Developer
 - Built secure REST APIs and scalable backend services (in Django) supporting business automation.
 - Developed React-based interfaces and optimized platform performance and reliability.

SKILLS

- **Languages:** Python, TypeScript, SQL
- **Full Stack:** TypeScript, React, Material UI, FastAPI, Django, REST APIs, gRPC
- **AI/ML:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Generative AI, TensorFlow
- **AI Systems:** Claude Agents, LangChain, RAG, Agentic Systems
- **DevOps & Infrastructure:** Azure AD, Docker, Kubernetes, Argo CD, GitHub Actions, AWS S3

PROJECTS

- **AI Compliance Assistant**

Claude Agents, FastAPI, gRPC, Azure AD, RBAC
 - Built an AI-powered compliance assistant adopted by the Threat Mitigation team, enabling auditors to query enterprise security evidence and map findings across ISO 27001, NIST, and HIPAA frameworks.
 - Architected a FastAPI and gRPC platform with Azure AD group-based authorization, RBAC, SSE streaming, gap detection, and human-review controls.
- **Enterprise Phishing Reporting Platform**

Python, GitHub Actions, Azure Functions, Splunk
 - Built an automated phishing simulation reporting platform supporting security awareness operations for 80,000+ employees, eliminating manual effort and reducing costs.
 - Designed Azure Function proxies and asynchronous workflows to overcome Splunk Cloud networking restrictions and long-running query constraints.
- **AI-Powered Phishing Analytics Platform**

FastAPI, React, Kubernetes, Argo CD
 - Built an AI-powered phishing analytics platform used by senior leadership and security stakeholders for natural-language exploration of campaign performance.
 - Developed FastAPI and React services supporting SSE streaming, session management, rate limiting, and campaign visualizations. Achieved by building toolkits for the Agentic in-house AI System.
 - Deployed workloads on Kubernetes using Docker, GitHub Actions, and Argo CD.

EDUCATION

- **Manipal Institute of Technology**

B.Tech Computer Science Engineering (Artificial Intelligence)

Expected May 2026
Bengaluru, India
- **Mount Carmel Central School**

Pre-University Education

March 2022
Mangalore, India

 - Grade: 83.8%
- **Mount Carmel Central School**

Secondary Education

March 2022
Mangalore, India

 - Grade: 92.3%