

Hosea Varghese Kalayil

Full-Stack Developer | hoseakalayil@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Summary

Full-stack developer with 4 years of experience in React, Angular, Node.js, and cloud platforms. Proven track record in building scalable apps, integrating AI/IoT features, and leading teams in Agile environments. Open to global opportunities.

Experience

Tata Consultancy Services (TCS) – Full-Stack Developer | Oct 2021 – Present

React Lead Developer – Uniting

- Led front-end development using React, Vite, TailwindCSS, MUI with focus on accessibility and reusable architecture.
- Migrated from TanStack Query to Redux Toolkit + RTK Query, improving maintainability and performance.
- Integrated with AEM and CRM systems; mentored junior developers and led front-end architecture revamp.
- Enforced standards using Husky hooks and introduced Vitest for better test coverage.

Team Lead – 5TechLab

- Led development of a HIPAA-compliant health platform integrating CGM data via Tryterra for real-time glucose tracking.
- Designed AI workflows using GCP Speech-to-Text and OpenAI for analysis and summaries.
- Built secure, stream-based backend pipelines and AWS S3 storage architecture with HIPAA-aligned encryption.
- Implemented PostgreSQL data encryption (pgcrypto) and efficient cron job-based session processing.

Frontend Developer – Infomedia

- Developed quoting tools (Menus, Menus Author) for car dealerships using Angular.
- Contributed to AngularJS → Angular 16 migration, improving performance and code maintainability.
- Sole front-end developer for InfoPay — a plug-and-play Angular payment module for dealerships.
- Improved frontend security and reliability by addressing CodeQL and dependabot alerts and setting up Jest testing infrastructure.

Angular Developer – Mylan (Pfizer)

- Built a master data portal with Angular and Azure; implemented Entra ID (SSO) and secure file uploads to Blob Storage.
- Created a dual-pane hierarchical UI with complex state management for data transfers.
- Integrated backend processes using Azure Functions (Python) and supported ETL pipelines via cross-team collaboration.

Projects

Learn.io – MDX-based learning platform (WIP)

- Tech: Deno (Fresh), PostgreSQL, Cloudflare
- Built modular monorepo: DB setup, migrations, frontend, API
- [GitHub](#) | [Live Demo](#)

Migaku – Personal project server

- Configured Cloudflare Tunnel for local project hosting
- [GitHub](#)

Achievements

- Led front-end revamp at Uniting; improved quality and velocity
- AI-integrated Zoom tool (Vizzhy) – 7-member team lead
- TCS Wings 1 Certified | Hackathon Runner-up

Skills

- **Frontend:** React, Angular, Next.js, Tailwind, MUI
- **Backend:** Node.js, Python, PostgreSQL, MongoDB \
- **Cloud/DevOps:** AWS, Azure, Docker, GitHub Actions
- **Testing & Security:** Vitest, Jest, CodeQL, Dependabot, Husky
- **Workflow:** Agile, Git, Jira

Education

- MCA – Kerala Technical University (2021)
- BCA – MG University (2019)