

Joseph Tharakan

Hands-on Blockchain Architect

Global Blockchain Center of Competence

Allianz Technology

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Designed and building a parametric insurance platform with core built on **EVM** leveraging **Hyperledger Firefly**

Application Architect and Lead Developer for Production grade Blockchain solution - **International Claims Settlement (ICS)** using **HLF** - domain separated **micro services** Architecture - [link](#)

Identified and awarded bounty for a bug during **ENS** airdrop

Active participation in various **EthGlobal** hackathons

Team got featured in the Forbes Blockchain 50 - 2020 & 2022 - [link](#)

Participation in **Gitcoin** freelance bounties till 2021 - [link](#)

Like to talk about #blockchain and #enterpriseblockchain [link](#)

Ethereum expertise using **Foundry, HardHat** - [link](#)

Hands-on Architectural experience, building artefacts like **POM, Logical Comp Model, K8S Deployment View, Data flow, Integration patterns** and various other design and service build decisions.

Designed and supported implementation of **CI/CD** pipelines following **GitOps** model for the build and deployment of **Fabric artefacts** on production grade network

Designed and implemented **Cloud Native** reusable Infrastructure as a Code (**IaC**) model using **Terraform** and **Terragrunt** without vendor lock-in

Worked with **B3I** Insurance Blockchain consortium

Participation in various internal and external Hackathon events - **EthGlobal**, SIH 2020 mentor, Digithon 2018.

Interest in **RPA** - Participation on **Hackathons, Certified RPA developer**

5 Years of diversified experience with **Automation, Java J2EE, Spring Boot** as a **Developer**

Insurance domain expertise

SKILLS

Hyperledger Fabric (2.2.3),
Ethereum, R3 Corda

Golang - Restful WS, Cobra, Viper, GORM

Ethereum - Solidity, Foundry, Ethers.js. HardHat, Truffle, IPFS

Javascript - Node.js, Angular11, RESTful WS

Java - Kotlin, SpringBoot, J2EE, RESTful WS

LISP

Postgres, Liquibase,

Kubernetes, Docker, Docker compose, Helm,

Make, Shell

AWS - VPC, IAM, Route53, EC2, EKS, ECR, S3, Cognito, EBS, Secrets, CloudWatch, ElastiCache

Terraform, Terragrunt, CloudFormation

Ansible, AWX (Ansible Tower)

Prometheus, Grafana

SonarQube

RabbitMQ, Amazon MQ

Postman, NewMan CLI

Redis, ElastiCache

Jenkins, GitHub Actions, Circles CI

Mainframe experience

HIGHLIGHTS

Active on several different **open source** projects in the Web3 space

Team got featured in the **Forbes Blockchain 50**

Certified Corda Developer

Gold Stevie 2022 in Fintech category on the blockchain implementation

PROFESSIONAL EXPERIENCE

Lead Architect and Developer - GBCoC SCIP Project

Allianz Technology, Apr 2022-Present

Smart contract insurance platform that is capable of managing parametric insurance products. They behave based on predefined rules making ideal use case.

- Build the target architecture from scratch enterprise grade still radically faster by leveraging OS Hyperledger FireFly
- Testable by default core smart contract development using OS framework called Hardhat popular in web3 space.
- Activities around formalising many architectural decisions on other cross cutting services to support the solution

Architect and Lead Developer - GBCoC ICS Project

Allianz Technology, Apr 2020-Apr 2022

ICS is the international claims settlement solution between 25 OEs across Allianz group. Built using Hyperledger Fabric in a micro services architecture and deployed in AWS

- Supported lead architect in developing and maintaining various architecture artefacts and formalising decisions
- Lead the development team working with colleagues from different timezones
- Defined the deployment flow using **GitOps model**
- Key role in setting up the local dev environment
- Introduced **BDD** based behaviour testing in the project
- **CQRS** methodology followed search services designed.
- Took part in **data migration** activities of Day 0

Lead Blockchain Developer - Global Blockchain CoC

Allianz Technology, Apr 2018-Apr 2020

GBCoC is for implementing Blockchain solutions within Allianz and also acts as a consulting body for all Blockchain related activities in Allianz Group

- Design, research, suggest and develop new Blockchain solutions within Allianz
- Produce architectural models and decisions for using different Blockchain solutions like Fabric, Corda
- Work with consortiums and vendors in the Blockchain space consortiums like WeTrade, MarcoPolo etc..

Innovation SPOC - Innovation Team

Allianz Technology, Apr 2017-Dec 2020

R&D Engineer to derive and report Innovation Drivers and Future Ready industry trends like Robotics, Blockchain etc.

System Analyst - AAT

Allianz Technology, Apr 2013-Mar 2017

'Azure' WebApplication developed using Java Spring, Java Frontend, MQ as middle Layer and Mainframe backend. Promoted rapidly through a series of increasingly responsible positions like Innovation champion, part of Robotics team, Red Team etc

Team nominated as a finalist for the Enterprise Transformation Award – Organizational Transformation by the **#EBA2021**

Research engineer in the Web3 space esp. DeFi and Metaverse

Active in decentralised social media platforms like Gitcoin, Lens Protocol...

Various **Blockchain PoCs** taking part in various Hackathons internal and external.

Part of various **Blockchain communities and Meetup groups**

Awarded with **Customer Centricity Hero 2021**, Techie of theYear 2020, Allianz Medal 2019, Allianz Medal 2018, Admire Award Q3 2017, Allianz Medal 2016,

Travelled to UK for various assignments

Mentored team and won Smart India Hackathon 2020

Awarded in Digithon conducted internally for providing open source RPA solution

Cloud Native expertise

EDUCATION

- Advocate of life-long learning and self learning using open source content.
- Certified Corda Developer
- Batchelor's degree - B.Tech in Computer Science , Calicut University June 2011
- IBM Blockchain Essentials
- Certified RPA diploma - UiPath
- Certificate of General Insurance and Advanced Insurance Concepts.
- Active LinkedIn learning

