

# Libin Mathew Varghese

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## EXPERIENCE

[entri.app](#) | Product Engineer

Kochi | Sep 2022 - PRESENT

- Solutions Architect and product owner for requested requirements
- Plan, document and implement various product requirements
- Write complex and optimized queries to create highly optimized and scalable code
- Write RESTful APIs with industrial standard performance
- Support Engineer for various issues in production

[FullContact](#) | Associate Data Analyst

Kochi | Nov 2021 - Sep 2022

- Worked with the Identibase Engineering team in improving the match rate from 73% to 92% within 2 quarters
- Part of the team that was testing changes to algorithms as they got introduced
- Automated labelling efforts which improved the efficiency of team by reducing time taken for an analysis from 4 days to 6 hours
- Was part of the team doing Low Resolve Rate Analysis on customer files. identified issues with the input files and process and suggested methods to improve the resolve rate

[isgoing.online](#) | Associate SDE

Kalamasery | Aug 2021 - Oct 2021

- Built various REST APIs to support frontend systems
- Developed an Arduino based product UI website integration using WebSerial API
- Integrated Unicode support to the Linux based server to handle PDF conversions of data from different languages
- Did Android App QA Testing for Kudumbasree Insurance Project

[IEEE SB CEC](#) | PES SBC Chairperson, College of Engineering Chengannur

Chengannur | Feb 2020 - Feb 2021

- Coordinated the activities and managed a 3 member Executive Committee of the largest Student Branch Chapter (IEEE PES SBC) of IEEE Student Branch, College of Engineering Chengannur
- Organised and undertook CREED, a hands on online interactive session that focused on individual improvement in various technical and non technical skills
- Coordinated and volunteered in the activities organised by a 30 member Executive Committee of IEEE SB CEC

College of Engineering Chengannur

- Coordinated the activities of IEEE PES Student Branch Chapter, College of Engineering Chengannur
- Provided hands on training in various tiers and on machine controls of Fab Lab, College of Engineering Chengannur
- Volunteered in Flood Relief activities by fabricating emergency power banks in bulk for flood relief camps in collaboration with IEEE RAS Student Branch Chapter, College of Engineering Chengannur

- Organised the LINK Online Competitions during the timeframe and managed a 7 member Executive Committee.
- Conducted recurring tech based quiz competitions based on the IEEE Spectrum Magazine
- Conducted open source coding contribution project to build a Quiz App.
- Initiated a blogging competition with the intention of developing documentation skills amongst the member

## SKILLS

**Programming Languages** : Python, Javascript

**Query Languages** : GraphQL, SQL

**Libraries / Frameworks** : Django, Django REST Framework, celery, redis-py, pika(AMQP Client)

**Tools / Platforms** : Github, GitLab, Jenkins, Visual Studio Code, ElasticSearch, RabbitMQ

**Databases** : RDBMS(postgres, MySQL), NoSQL, Hash-Map(Redis)

**General Skills** : TDD, Design Patterns, Message Queues, Trunk Based Development

## PROJECTS / OPEN-SOURCE

### Lunch Booking Service

- Implemented a lunch booking service for employees of [entri.app](#)
- Dockerised application implemented using FastAPI and Slack API
- Redis Database is used for CRUD operations
- Consists of a QR Code generator using Python and a QR Code Scanner using Javascript

### Automated External Defibrillator

- Implemented a 12V to 2kV secondary side boost converter model to build an AED to be used in public transport
- Arduino Mega based H-Bridge program was implemented
- Hardware prototype was developed for the project

## Light Fidelity

- Implemented a LiFi model that transmits data wirelessly
- Can transmit data in both dark and lighted rooms
- Transmission lag is minimal due to speed of light
- Based on Solar Panel receiver and LED transmitter

## INTERNSHIP

TELK | Angamaly

June 2017 - July 2021

- Studied the design and manufacture of High Capacity Transformers
- Understood the concept of On Load and Off Load Tap changers in Transformers by seeing them in action
- Studied transformer testing and transformer oil testing methodologies
- Studied the uses of insulators in transformers and also about insulation testing

## EDUCATION

COLLEGE OF ENGINEERING CHENGANNUR | APJ Abdul Kalam  
Technological University

June 2017 - July 2021

Bachelor of Technology | Electrical and Electronics Engineering

Cgpa: 6.97

BMM SENIOR SECONDARY SCHOOL, POTHENPURAM | CBSE  
Higher Secondary Education | PCMC

2015 - 2017

Percentage: 80.8%

BMM ENGLISH MEDIUM SCHOOL, POTHENPURAM | CBSE  
SSLC

2014 - 2015

Cgpa: 9.8

## CERTIFICATIONS

- Programming Fundamentals - [Coursera](#)
- Programming for Everybody (Getting started with Python) - [Coursera](#)
- SQL: Data Reporting and Analysis - [LinkedIn](#)
- Automate the boring stuff with Python - [Udemy](#)

## HONORS & AWARDS

- [Core Value Recognition Award \(Q2 2022\)](#).
- [Best Team Award \(Q1 2022\)](#).
- [Best Performer Award \(January 2022\)](#).
- [Mentoring Friend Award \(November 2021\)](#).
- [Featured in the news for Flood Relief Activities](#)
- [Delegate of IEEE PES GSC 2020](#)

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