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   Chengannur | Feb 2020 - Feb 2021
Engineering Chengannur

- 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

IEEE SB CEC | PES SBC Vice Chairperson, College of Engineering Chengannur   Chengannur | Feb 2019 - Feb 2020

- 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

IEEE LINK | Online Competitions Coordinator   Kochi | Feb 2020 - Feb 2021

- 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

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   2015 - 2017

Higher Secondary Education | PCMC   Percentage: 80.8%

BMM ENGLISH MEDIUM SCHOOL,   2014 - 2015

POTHENPURAM | CBSE

SSLC   Cgpa: 9.8

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

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

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