George Koshy
Software Engineer and a Full Stack Developer

Aiming to use the power of technology to develop solutions to real world problems

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WORK EXPERIENCE

Software Engineer
Motorola Solutions

05/2023 - Present   *Bangalore, India*
Achievements/Tasks

- Developing Tools to support critical processes of Software Operations group.
- Developing a Full Stack Web Application from scratch to support license transfers.
- Enhancing existing web applications UI and functionality.
- Developing Frontend using React, NextJS and TailwindCSS.
- Developing Backend REST API's using Python Flask, Oracle SQL DB.

Technical Lead
Tata Consultancy Services

10/2022 - 05/2023   *Bangalore, India*
Achievements/Tasks

- Led a team to successfully develop an end to end analytics and visualization solution using Azure Databricks, Pyspark, Azure SQL and Power BI
- Collaborated with cross-functional teams to ensure business requirements are met as per schedule
- Followed Agile methodologies and conducted Daily Scrum to coordinate Design, Development and Testing efforts
- Mentored junior developers on PySpark and SQL Server to improve performance and follow best practices
- Designed and maintained SQL Server Views to provide data to Power BI dashboards
- Developed Frontend using Angular, Vue.js and TailwindCSS
- Developed Backend API's using .Net Core, Entity framework Core and SQL Server
- Developed ETL Jobs using Azure Databricks and Pyspark to transfer supplier data databases

Data Engineer and Data Analyst
Tata Consultancy Services

09/2021 - 05/2023   *Bangalore, India*
Achievements/Tasks

- Designed and developed ETL Solutions to extract and transform data from SAP using Azure Databricks, Pyspark and SQL Server
- Designed and developed Robust mechanism for failsafe execution of ETL Jobs
- Designed table schema for logging mechanism used by the ETL Jobs
- Designed and developed CI/CD Pipelines for automated deployment of the ETL Jobs
- Followed Agile methodologies during all phases of SDLC lifecycle

TECHNICAL SKILLS

Programming Languages, Databases
Python, Javascript, Typescript, C, C++, C#, Java, HTML, CSS, MongoDB, SQL Server

Frameworks
React, NextJS, Angular, Nodejs, ExpressJS, Flask, Pyspark, .Net Core, Entity Framework, Selenium

Tools
Postman, Swagger, Git, VSCode, Visual Studio, Android Studio, Jira, Confluence, Github, Bitbucket, Linux, Databricks, SSMS, Nginx, Docker

Cloud Computing
Azure, Gcloud, Heroku, AWS, Digital Ocean, Firebase

Embedded / IoT
Robotics, Arduino, NodeMCU, ARM, PIC, RaspberryPi

EDUCATION

Bachelor of Electronics and Communications Engineering
Cambridge Institute of Technology

Bangalore, India

Higher Secondary Education
St Josephs Indian Pre University College

Bangalore, India
Courses

- Physics, Chemistry, Mathematics, Computer Science

WORK EXPERIENCE

Full Stack Developer
Tata Consultancy Services

09/2020 - 05/2023

Achievements/Tasks
- Developed Frontend pages using Angular and TailwindCSS
- Developed Unit Testing scripts using Jasmine and Karma which helped in maintaining excellent code quality and coverage using best practices
- Developed Backend API's using NodeJS, ExpressJS and SQL Server
- Developed Backend API's using .Net Core Web API and Entity framework Core
- Followed Agile methodologies during all phases of SDLC lifecycle

Full Stack Developer
PORI Innovate Ltd (Freelance)

09/2019 - 08/2020   *Remote*

Achievements/Tasks
- Developed Frontend for web using NextJS and TailwindCSS. Developed Backend API's using NodeJS, ExpressJS, Mongoose, MongoDB, Firebase
- Integrated Web Frontend with Backend API's
- Integrated React Native Mobile Application Frontend with Backend API's
- Designed collection schema and relationship between collections for MongoDB
- Used Git and Bitbucket for sourcecode management and review

Software Engineer
Flyjac Logistics (Ares Data Pvt Ltd) (Freelance)

03/2019 - 01/2020   *Remote*

Achievements/Tasks
- Developed ETL Applications using .Net Framework Windows Service using C#
- Deployed ETL Windows service on Windows Server
- Developed Automation Bots using Python, Pandas, BeautifulSoup and Selenium

PROJECTS

xAI - Analytics and Insights
- An end to end visualization platform built to visualize and analyze KPI's for the Manufacturing and Supply chain sectors

GDT - Genius Data Transformation
- A platform built to help data scientists and data engineers combine and curate data from different sources

101reporters
- A platform built to bring stories of local journalists to the global stage

Rangicity
- A platform built to provide doorstep paint services

Pstory
- A social media application built to promote selling of a product

Biometric Attendance System for Students
- An application built to track attendance of students using a biometric fingerprint sensor

Semester Grades Extractor and Analyzer
- An application built to automate extraction and visualization of student grades from the university website

SKILLS

Problem Solving

Programming

Reverse Engineering

Persistence   Goal oriented

Motivated   Leadership

Analytical skills

CERTIFICATES

Javascript - Udemy

Python - Hackerrank

Embedded Systems

IOT

INTERESTS

Music   Dance   Football

Robotics   Ethical Hacking

Travelling   Psychology

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

Malayalam
Professional Working Proficiency

Kannada
Professional Working Proficiency

Tamil
Professional Working Proficiency