



ABHISHEK TYAGI

MERN Stack/Blockchain Developer

EDUCATION

Krishna Engineering College

2011 - 2015

B.Tech. in Computer Science and Engineering

75.7 % (Honors)

C.B.S.E.

2011

Senior Secondary School

75 %

C.B.S.E.

2009

Secondary School

77 %

PROFILE

Working as a senior software engineer with the leading telecom provider in middle East and Africa.

Highly skilled in Application Infrastructure and Development using MERN stack and Blockchain platforms (Ethereum, Quorum and Hyperledger Fabric) using dev-ops tools like Docker, Kubernetes, Git etc. Working on Data Analytics, VBA & Python Scripting and Oracle triggers on ad-hoc basis.

Undertaken various projects on MERN stack and Blockchain. A meritorious student and an active participant in many co-curricular activities.

CONTACT

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LINKED-IN:

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WORK EXPERIENCE

Etisalat Telecommunications

May 2019 – Present

Application Developer

- Developing Web applications using React JS with Redux for frontend and Node JS with Express JS framework for backend.
- Architecture and planning of Blockchain and Full stack applications on private cloud.
- Designing responsive UI using React bootstrap and CSS3. Experience with CSS animations, transitions, media query etc.
- Administration of PostgreSQL database (Backup and restore, Replication etc.)
- Experience in using JWT token for authentication, AWS S3 buckets to securely store the images and documents over the cloud.
- Deploying and maintaining the solution using micro services, hosted via Kubernetes' highly-available deployments and statefulsets.
- Using RabbitMQ messaging queue wrapped over amqpplib library in Node to store incoming messages, before processing them with Blockchain.
- Writing and managing efficient data parsing scripts using Binary search in Python and SQL triggers in Oracle DB.
- Actively involved in research for infra management on public cloud services such as AWS EC2, AWS lambda, Azure VMs etc.
- Shell scripting to run jobs and inspect & rotate logs.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Javascript, C, Java, Python, Solidity

BLOCKCHAIN PLATFORMS

Ethereum, Quorum, Hyperledger Fabric, Bitcoin

WEB TECHNOLOGIES

HTML, CSS, Node JS, React JS, Express JS

DEVOPS TOOLS

Kubernetes, Docker, Git, SVN, SAP

DBMS

Mongo DB, PostgreSQL

OPERATING SYSTEMS

Ubuntu 16.04, Windows 10

OTHER TOOLS

VS Code, Web Storm, IntelliJ IDE, Jira, HPQC ALM

Freelancing with a Marketplace Based Startup

Dec 2019 – Sep 2020

Full Stack Developer

- Led a team of 3 interns to deliver a time bound project
- Developing the backend using Node JS and Express JS along with MongoDB as the database.
- Managing infrastructure & storage using AWS EC2 and AWS S3
- Developing the frontend using React JS
- Developed the APIs for Seller and Buyer modules
- Using Postman for API documentation and testing
- Using Trello for project tracking

Sopra Steria India

Jan 2017 – Mar 2019

Blockchain Developer

- Extensively worked on Blockchain development on various platforms – Ethereum, Quorum and Hyperledger Fabric
- Infra and Server management on Blockchain platforms - Setting up nodes, deploying smart contracts.
- Actively involved in research for new Blockchain platforms.
- Writing Smart contracts as per business use cases.
- API development using Express.js and Node.js for readable and intuitive code.
- End to end application development using MEAN stack.
- Infra Management on cloud solutions – Azure and AWS.
- Extensively worked on Ubuntu platform and actively involved in shell and VBA scripting.
- Worked on data analytics and research on business data.
- Worked on various modules of SAP using ABAP programming language.

Sopra Steria India

July 2015 – Jan 2017

SAP ABAP Developer

- Developed objects related to CS and SD functional areas.
- Worked on Lock objects, table maintenance generators, standard search help modifications.
- Created Smart forms for printing invoices for customer in SD module.
- Worked on service notification, and equipment creation/change.
- File based interfaces downloading and creating files in application server based on OOPs.

HOBBIES

Playing & Watching Cricket

PROJECTS

- **Data Reconciliation Using HL Fabric and Kubernetes**

Technologies Used: Hyperledger Fabric, Node.JS, Express.JS, MongoDB etc.

- *This solution is for reconciling the data from 10 different legacy system, in real time, to prevent the losses due to incorrect customer information.*
- *Data is collected from various system and then processed using the smart contracts to find the mis matches.*
- *Responsible for Infrastructure management.*
- *Data parsing scripts development for various systems.*

- **EPO Patent Chain Using Quorum**

Technologies Used: Quorum, Solidity, Node.JS, Angular.JS, Express.JS, MongoDB

- *This solution is for Patent Creation and related operations on Blockchain*
- *Ported the application built on Hyperledger Fabric to Quorum*
- *Responsible for Smart Contract Development*
- *Application Development for various modules*

- **Micro Lending Platform Using Blockchain**

Technologies Used: Quorum, Solidity, Node.JS, Angular.JS, Express.JS, MongoDB

- *This solution is to ease up the lending and borrowing process on Blockchain*
- *Used ERC 20 token standard for writing the smart contract*
- *Responsible for Smart Contract and API Development for various Modules.*

- **EPO Patent Management Using Hyperledger Fabric**

Technologies Used: Hyperledger Fabric, Node.JS, Express.JS, MongoDB

- *This solution is for Patent Creation and related operations on Blockchain.*
- *Responsible for Infrastructure and network setup in Hyperledger Fabric.*

- **Voting System Using Blockchain**

Technologies Used: Ethereum, Solidity, Node.JS, Express.JS, MongoDB

- *This solution is for creation of poll and voting for a poll on Blockchain*
- *Responsible for development of smart contract of the application*

- **Crowd Funding based Ideation Platform**

Technologies Used: Quorum, Solidity, Node.JS, Angular.JS, Express.JS, MongoDB

- *This solution is for creation of ideas and collect votes for them.*
- *Responsible for development of smart contracts*
- *Developed REST APIs using Node JS and Express JS*