Abdul Mabood Khan
Solution Architect

CONTACT

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COMPETENCIES

Domain - Education, Trading, Hospital, Manufacturing, Construction, Shopping, CMS

Project Management - Jira – Installation, Configuration and Management

Technical Document Preparation for CMM Level 3

TECHNOLOGIES

- NodeJS
- React
- Angular
- TypeScript
- MERN Stack
- MEAN Stack
- Jenkins
- CI/CD Pipeline
- Docker

15+ years of qualitative experience in software solutions and implementation. Multi-talented full stack engineer with knowledge and determination to deliver actionable and effective business solutions. Focus on quality and accuracy.

Major Tech Stack: NodeJS, ReactJS, Angular, TypeScript, ExpressJS, MongoDB, Mysql, CI/CD, Github

Roles & Responsibilities:

- Experienced in developing robust backend Rest APIs.
- Skilled in designing Angular and React components and services for dynamic web applications.
- Proficient in database design to ensure efficient data storage and retrieval.
- Expertise in code management, including updating and integrating code in GIT repositories.
- Capable of deploying code to various environments and managing the deployment process.
- Proficient in creating and deploying builds for applications.
- Ability to coordinate with operational teams for seamless deployment and maintenance.
- Collaborate effectively with cross-functional teams to meet specific project requirements.
- Conduct thorough requirement analysis and provide innovative solutions aligned with existing systems.
- Proven ability to handle projects independently, ensuring timely delivery and quality results.

Work History

2025-04 – Current

Solution Architect

Vidysea Education Pvt. Ltd., Noida

Roles & Responsibilities

- Development of Backend.
- Development of Frontend.
- Database design.
- Code updating and integration in Github.
- Code deployment.
- Build creation and deployment.
- Coordinate operation team for deployment.
- Handle projects independently
- Requirement analysis.

- ExpressJS
- MongoDB
- Sql Server
- Oracle
- MySQL
- PostgreSQL
- SQLite
- AWS
- Google Cloud
- Phymyadmin
- Linux
- Zend Framework
- CakePHP

Projects

1. *Project*: vidysea.com

   Technology Used: NodeJs, NextJs, React, Mongodb, Postgresql, AWS, CICD, Kubernetes

2. *Project: vidyaksh.vidysea.com*

   Technology Used: NodeJs, NextJs,React,Mongodb, Postgresql, AWS,CICD,K8s

2024-06 – 2025-03

Sr. Full Stack Developer(Technical Architect)

Algoquant Fintech Ltd., New Delhi
Roles & Responsibilities

- Development of Backend.
- Development of Frontend.
- Database design.
- Code updating and integration in GIT Repository.
- Code deployment.
- Build creation and deployment.
- Coordinate operation team for deployment.
- Handle projects independently.
- Requirement analysis.

Projects

1. *Project: High Frequency RMS*

   Technology Used: NodeJS, Angular, Mysql, MongoDB, AWS, CI/CD, Jenkins, Github

2. *Project: RMS(Risk Management System)*

   Technology Used: NodeJS, Angular, Typescript, ExpressJS, React, MongoDB, Mysql, AWS, CI/CD, Jenkins, Github

3. *Project: Market Comparison, Analysis & Reports*

   Technology Used: NodeJS, Angular, Typescript, ExpressJS, React, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github

4. *Project: Portfolio Management*

   Technology Used: NodeJS, Angular, Typescript, ExpressJS, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github

- CodeIgniter
- Laravel
- WordPress
- PHP
- jQuery
- JavaScript
- AJAX
- REST API
- JSON
- XML
- HTML
- CSS
- Bootstrap
- NGINX
- Apache
- ERP
- Microsoft Office
- JIRA
- LDAP
- SSH
- Postman
- GitHub
- SVN
- FTP
- VPN

LANGUAGES

Hindi

English

Projects

5. _Project_: High Frequency RMS

Technology Used: NodeJS, Angular, Mysql, MongoDB, AWS, CI/CD, Jenkins, Github

6. _Project_: RMS(Risk Management System)

Technology Used: NodeJS, Angular, Typescript, ExpressJS, React, MongoDB, Mysql, AWS, CI/CD, Jenkins, Github

7. _Project_: Market Comparison, Analysis & Reports

Technology Used: NodeJS, Angular, Typescript, ExpressJS, React, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github

8. _Project_: Portfolio Management

Technology Used: NodeJS, Angular, Typescript, ExpressJS, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github

2022-07 – 2024-06

Sr. Full Stack Developer

Hansa Info Solution LLP, New Delhi

Roles & Responsibilities

● Development of Backend.
● Development of Frontend.
● Database design.
● Code updating and integration in GIT Repository.
● Code deployment.
● Build creation and deployment.
● Coordinate operation team for deployment.
● Coordinate with cross-functional team for specific requirements.
● Requirement analysis and providing solutions as per the already created system.
● Handle projects independently.

Projects

1. _Project_: Fun Quiz

Technology Used: NodeJS, React, Typescript, Sql Server, AWS, CI/CD, Jenkins, Github

2. _Project_: Marksharks

Technology Used: NodeJS, Angular, Typescript, React, ExpressJS, MongoDB, Mysql, AWS, CI/CD,

Jenkins, Github

    3. <u>*Project*</u>: *CRM*

    <u>*Technology Used*</u>: *NodeJS, Angular, Typescript, React, ExpressJS, MongoDB, Mysql, AWS, CI/CD, Jenkins, Github*

2021-05 -
2022-06

Full Stack Developer

Algoquant Financials LLP, New Delhi

<u>Roles & Responsibilities</u>

- Development of Backend.
- Development of Frontend.
- Database design.
- Code updating and integration in GIT Repository.
- Code deployment.
- Build creation and deployment.
- Coordinate operation team for deployment.
- Requirement analysis.
- Handle projects independently.

<u>Projects</u>

    1. <u>*Project*</u>: *RMS(Risk Management System)*

    <u>*Technology Used*</u>: *NodeJS, Angular, Typescript, ExpressJS, React, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github*

    2. <u>*Project*</u>: *Market Comparison, Analysis & Reports*

    <u>*Technology Used*</u>: *NodeJS, Angular, Typescript, ExpressJS, React, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github*

    3. <u>*Project*</u>: *Portfolio Management*

    <u>*Technology Used*</u>: *NodeJS, Angular, Typescript, ExpressJS, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github*

2017-10 -
2021-05

Tech Lead

ACG Infotech Ltd, Noida

<u>Roles & Responsibilities</u>

- Full Stack Development in DotNet Core, C#, Sql Server, Cake PHP, Mysql, Jquery, Ajax, Javascript.
- Creating database architecture

- Product Analysis
- Planning, Execution, Monitoring and Delivery of Product
- Co-ordinate with technical head for the whole requirements

Projects

1. *Project: School ERP*

   Technology Used: DotNet Core, C#, Angular, Typescript, Sql Server, Google Cloud, CI/CD, Jenkins, Github

2. *Project: Buying House ERP*

   Technology Used: DotNet Core, C#, Angular, Typescript, Sql Server, Google Cloud, CI/CD, Jenkins, Github

3. *Project: Manufacturing ERP*

   Technology Used: NodeJS, Angular, Typescript, ExpressJS, React, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github

4. *Project: Construction ERP*

   Technology Used: NodeJS, Typescript, Angular, ExpressJS, MongoDB, Mysql, Google Cloud, CI/CD, Jenkins, Github

5. *Project: Hospital Information System*

   Technology Used: LAMPP Stack, Javascript, Jquery, Ajax, Cakephp

2007-11 - 2017-10

Tech Lead

Extramarks Education Pvt. Ltd, Noida

Roles & Responsibilities

- Full Stack Development in Zend Framework, Core PHP, Mysql, Jquery, Ajax, Javascript
- Working as individual contributor in Zend Framework, Core PHP, Jquery, Ajax, Javascript
- Creating database architecture
- Analysis of project modules
- Co-ordinate with technical head for the whole requirements

Projects

1. *Project: LMS*

   Technology Used: LAMPP Stack, Javascript,

Jquery, Ajax

   2. <u>Project</u>: School ERP

    <u>Technology Used</u>: LAMPP Stack, Javascript, Jquery, Ajax

2006-07 - 2007-10

Software Engineer

Silicon Biztech Pvt. Ltd, Gurgaon

<u>**Roles & Responsibilities**</u>

- Development in Core PHP, Mysql, Ajax, Javascript
- Developing given module as instructions given by senior.

2006-01 - 2006-06

Software Trainee

E-*Soft Tech. Ltd, Lucknow*

<u>**Roles & Responsibilities**</u>

- Learning about project and Developing given modules as instructions given by trainer.
- Development using technologies Core Java, Jsp, JDBC, SQL Server, Javascript.

Education

2002-08 - 2005-07

Master of Computer Applications: Computer Science And Programming

IIMT College Affiliated To UP Technical University - Meerut
Computer Applications

1999-04 - 2002-03

Bachelor of Science: Science Education

Lucknow University - Lucknow, India
Computer Science, Physics, Mathematics

1997-04 - 1999-03

Intermediate: Science Education

GIC - Raebareli, India
Physics, Chemistry, Mathematics

1995-04 - 1997-06

High School: Science Education

GIC - Raebareli, India
Physics, Chemistry, Mathematics

Projects

1. **Supermind Quiz:** The Supermind Quiz is an online quiz. The quiz will have class-specific questions picked from all subjects. This is a monthly quiz. Every month the curriculum portion will get increased as per the additions made to the course module. There are 20 questions to be answered within 20 minutes. The contest is open for everyone across India. Supermind Quiz allows only one valid attempt per user. In case of a tie, the participants are intimated individually through email for the tie-breaker round. After the tie round, we choose the final winner from the class-wise topper's list using a lucky draw method.

2. **Study Card Management (SCM):** Study Card is a prepaid card that provides points for accessing the services on Extramarks site. SCM was developed for the management of study cards. The issuing of study cards to Employee or Distributor, Selling of Study Cards, Payment receiving etc. are the modules of this software. There are many access level for this software: Administrator, Higher Authority, Finance Department, Employee, Distributor etc. have the different access level.

3. **Personal Response System (PRS):** PRS enables testing of the entire class at the same time and also to ensure exciting and playful learning environment. This educational PRS is installed on the facilitator's computer and consists of a wireless receiver and hand-held infrared transmitters that have been assigned to students to record their responses to multiple choices or yes/no questions.
This student transmitter resembles a television remote control. When the facilitator (such as a teacher or lecturer) asks a multiple-choice or yes/no question, the student presses a button on the analysed, and can be displayed on the

main computer's screen. The system can also be programmed to display the identity of the respondents.

4. Smart learning Classes (SLC): Smart learning classes includes technology enabled classroom that ensures easy accessibility to quality education through the following teaching and learning aids:

i. Smart Learning Modules (SLMs): SLMs are the graphical representation of chapter that explains the topic from basic to advance level. There are many modules like SLM as: Formative Discussion, HOTS, Related Activity, Vitual Lab, Animation etc.

ii. Mindmap: This gives a picture of a chapter logically and hierarchically. Chapters are presented in flowcharts.

iii. Test Modules: The next step after studying the chapter is to take intensive test to evaluate the understanding of the chapter. An exhaustive bank of Model Test Papers, CCE MCQ Tests, Solved Previous Board Papers, CCE Short/Long Answer Tests, Chapter wise Q & A, Group Quiz etc. help in exam preparation. CCE MCQ Tests can be taken as per the flexibility of subject, chapter, time, and difficulty level. While the teachers get access to a large database of questions, this testing facility is helpful to the student for a thorough revision of the concept.

5. Test Center and Assessment Center: Our Test Center that provides an exhaustive bank of MCQ's(Multiple Choice Questions), model test papers, sample papers and board papers for practice and revision, which enables the student to practice and prepare for exams. The Test Center can further be enhanced as an Assessment Center. In Assessment Center, the teachers can track the progress of the students. It also enables the teachers to conduct regular class tests, unit tests, and get instant results.

6. CCE (Continuous and Comprehensive Evaluation) Report Card: CCE Report Card covers both the scholastic and the co-scholastic aspects of a student growth and development. With both these aspects of the evaluation process being assessed through Formative and Summative Assessments. The Formative Assessment (FA) comprises of paper-pencil tests as well as assignments, projects, practical work etc. Summative Assessment is taken at the end of the session. Only the grades will be reflected on report card.

7. School Management System (SMS): School Management System is a product that covers each and every entity of school. SMS is an interactive platform for all the entities of school like Management, Faculty, Staff, Librarian, Fees, Students, Parents etc. Our School Management System software is in development process. There are many different modules in this software that cover each and every department of school that gives the easy and effortless functioning. Some of the modules are: Transport Management, Timetable Management, Users Management, Fees Management, Library Management etc.

8. Sales ERP System: This project is basicly for the overall sales of company. This includes a lot of modules like Conveyance System, Reporting, Client details, Client wise sales, whole process of Smart Learning Classes implementation in a school etc. There are also many types of reports in this system.

9. Extramarks Tutors: Extramarks Tutoring services provide a framework tt brings the best tutors under one roof for the parents to choose. Extramarks maintains its quality policy by training the tutors to understand common learning gaps and using Extramarks learning solutions in the most efficient manner.

10. Hospital Information System: This includes all the hospital activities including IPD and OPD patient facilities, Doctor's Appointment, Treatment, Bed Booking etc.

11. Manufacturing ERP: This includes all the processes of an organization for manufacturing of products. Some of the processes are Project Planning, Purchase, Sales, Inventory and Finance etc.

12. Construction ERP: This includes all the processes of an organization for construction of real estate projects. Some of the processes are Estimation & Tendering, Project Planning, Asset Management, Purchase, Inventory and Finance etc.

13. Buying House ERP: This includes all the processes of an organization for production of garments. Some of the processes are Style, Order, QA, QC, Logistics, T&A etc

14. RMS(Risk Management System): RMS check all the risks that can be happen in trading. It also check whether the traders have the sufficient balance of amount, margin etc. This includes all the risks factor in trading. Some of the processes are Turnover, MTM, Margin, Physical Delivery etc.

15. Market Trading Analysis System: A system for trading analysis of Stock, Currency and Index share market in different scenarios.

16. NSE Broadcast Reading: Reading of NSE Broadcast like LTP, Volume etc.

17. Marksharks: Marksharks web application for managing multiple features related to education and learning. Some of the features are Dashboard, Content, Subscription, Schedule, Attendance, Quiz, Question, Curriculum, Reports etc.