MD. UMAIR ABDULLAH
Technical Lead - Full Stack

Results-driven professional with 5+ years of experience driving scalable web and SaaS solutions across diverse industries. Specializes in architecting and delivering microservices-based systems, cloud-native applications, and API-driven platforms. Expert in full-stack development with a strong command of frontend/backend technologies, DevOps pipelines, and AWS cloud architecture. Proven ability to lead product-focused teams, implement modern development practices, and align technical strategy with business growth. Recognized for delivering high-impact digital solutions through a combination of technical depth and product-driven innovation.

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📍 Noida UP, India

EDUCATION HISTORY

MBA in IT & Marketing Management | NMIMS Mumbai, India
May 2021 - July 2023
- Graduated with 1st class

Bachelor of Technology in CSE | Integral University Lucknow, India
June 2016 - July 2020
- Secretary of Fiesta 2019
- Chief Communication In-Charge

TECHNICAL SKIILS

- JavaScript, TypeScript
- React JS, Next JS
- HTML, CSS
- AntD, Tailwind CSS
- Bootstrap, Shadcn UI
- Node JS, Nest JS
- REST API, Express JS
- Sequelize, Type ORM
- Prisma, Drizzle
- Django ORM, SQLAchemy

- Java, Spring Boot
- Python
- Flask, Django, FastAPI
- MySQL, MariaDB
- MongoDB, PostgreSQL
- Redux Toolkit
- Context API
- AWS, UkHost, Heroku
- Serverless
- Deployment, Pipeline

- Stripe, Xero, Zoho
- Shopify, PayPal
- Twilio, Razorpay
- GitHub, GitLab
- Gmail API
- Asana, Jira
- Hasura Graphql
- Firebase, Heroku
- Docker, Redis
- CI/CD

- Zoom, GoogleMap
- Kafka, SQS, Socket
- Nginx, Docker
- Twilio, Razorpay
- JWT, Next Auth
- SSO, OAuth 2.0
- Magic Link
- Social Login
- Postman, Dbeaver
- Agile management

WORK EXPERIENCE

Technical Lead - Full Stack
@Cloud Analogy CRM Specialist Pvt Ltd.
August 2020 - Present   **Noida, India.**
- Lead and oversee the full-stack development lifecycle for high-scale, mission-critical projects, ensuring seamless integration of backend and frontend technologies.
- Architect and deploy robust backend solutions using Node.js, Express.js, Nest.js & Python, emphasizing security & scalability.
- Optimize application performance through advanced caching mechanisms (Redis, Node-cache) and efficient database management using PostgreSQL, MongoDB, and Neo4j.
- Spearhead frontend design using Next.js and React.js, incorporating TypeScript for type-safe and maintainable codebases.
- Champion the use of modern DevOps tools, including Docker, Kubernetes, and GitHub Actions, to streamline CI/CD pipelines.
- Implement advanced authentication solutions like SSO, OAuth 2.0, Magic Link, and Biometric Authentication to enhance system security.
- Conduct code reviews and mentor team members to foster a culture of continuous learning and development.
- Successfully delivered scalable and secure full-stack solutions, resulting in increased application performance and user satisfaction.
- Reduced build deployment times by 30% through optimized CI/CD pipelines and automation.
- Enhanced team efficiency by introducing advanced state management tools such as Redux Toolkit and Zustand.

PROJECTS

Finance Web App

This is a web application based on financial work. So that a team of education organizations use this application in order to calculate organizations financial work.

The following technologies used in this project: -
- Front End - Next JS + React JS
- Database - PostgreSQL
- Host - AWS (EC2 Instance)

Role:- Frontend Developer
Industry:- Education Organization

Migration

Migrate data from one platform to another platform through CSV data, including data mapping of required fields and alteration of data.

The following technologies used in this project: -
- Backend - Rest API (Node JS, Nest JS, Java, Spring Boot)
- Database - MongoDB
- Host - AWS (EC2 Instance)
- Integrations - JsForce, Salesforce SDK

Role:- Backend Developer
Industry:- E-Commerce Industry

Dark Web CRM

This is a CRM-based web application that is used to track email and domain data breaches, asset details, download details in pdf, and prevention for different organizations data tracking using a private API, give security breach notifications, and give support to prevent breaches of personal information to users.

The following technologies used in this project: -
- Front End - Next JS + React JS
- Backend - Rest API (Node JS, Nest JS)
- Database - PostgreSQL
- Host - AWS (EC2 Instance)
- Integrations - SendGrid, Xero, Strip, PayPal

Role:- Full Stack Developer
Industry:- Technology CRM

Support Pay

Support-Pay is a web application that is used to manage child support, alimony, & all your children's expenses – medical, education, child care, or any other shared expenses – in one simple application.

The following technologies used in this project: -
- Front End - React JS + Next JS + Typescript
- Backend - Websocket.io, Graphql + Hasura, Node JS + Docker Container
- Database - PostgreSQL
- Host - Go-Daddy & AWS (EC2 Instance).
- Integrations – SendGrid, Xero, Strip, and Checkbook.io to create and send the e-checks.
- Deploy the Hasura and Database Docker instances in the Go-Daddy domain.
- Git Auto Deploy to a server (CI/CD)

Role:- Full Stack Developer
Industry:- FinTech Service

Asset Finder Web App

Asset Finder Web application which I have developed to find the details about the property, you can register the new property, compare between two properties, find the location of the properties and communicate with the actual owner regarding property information via chat or video call.

The following technologies used in this project: -
- Front End - Next JS + React JS
- Backend - Rest API (Java),
- Database – PostgreSQL + MongoDB

Role:- Full Stack Developer
Industry:- Real-State

Create Social Network

Create Social Network is an educational project. The main idea is to demonstrate how to build a large scalable project with JavaScript. However, you get the core functionality of social networks by running one command, and then you can build more on top of that.

The repository is divided into three main packages:
API This package contains an API for a Social Networking App, built with Python, Django, Fast API, and MongoDB with Mongoose.
Frontend is a frontend for a Social Networking App, built with React JS, GraphQL, Apollo Client, and Styled Components.
Library This is a Node Js command-line script that helps users to install the Social Networking App with one command. This package is published to NPM as a create-social network.
Role:- Full Stack Developer
Industry:- Social Network

PROJECTS

Irys Insurance CRM
This is a web application based on Irys, an insurance management tool that improves how agents and brokers interact with their clients and companies.

The following technologies used in this project: –
- Front End - Next JS + React JS
- Backend - Rest API (Python, Django)
- Database - PostgreSQL + MongoDB
- Host - AWS (EC2 Instance)
- Integrations - Gmail API integration.

Role:- Full Stack Developer

Industry:- Education Organization

Gallery View CRM
Gallery View is a CRM web application that is used to track and manage gallery art regarding painting, editions, the number of copies, uniqueness of art, resolution of paint frameworks, leads, or any other details regarding the gallery paintings – in one simple application.

The following technologies used in this project: -
- Front End - Next JS + React JS
- Backend - Rest API (Node JS, Nest JS)
- Database - PostgreSQL
- Host - AWS (EC2 Instance)

Role:- Full Stack Developer

Industry:- Sales CRM

Single Sign In
A client has multiple CRM applications on two different platforms they wanted to create new functionality that Connects/Single-Sign-in via using other credentials of any of their platform applications.

The following technologies used in this project: -
- Backend - Rest API (Node JS, Nest JS)
- Database - MySQL
- Host - UkHost
- Integrations - AWS Cognito, Redis

Role:- Backend Developer

Industry:- Information Technology

CA-Portal
This is a Web application. In this application, we have managed management activities like attendance records, employee profiles, less than nine hours, leave, etc.

In this application, the admin can manage the user's activities.

Multiple tabs are included in this app, like Real-Time dashboard, all employees, Admin panel, holidays, etc.

The following technologies used in this project: -
- Front End - Next JS + React JS
- Backend - Rest API (Java, Spring Boot) + GCD + Docker
- Database - PostgreSQL
- Host - AWS (EC2 Instance) Set up a PGSQL database in a Docker container.
- Deploy the Hasura and Database Docker instances in the EC2 instance.
- Reduce the load of EC2 site by using the AWSWS ELB Load Balancer.
- Git Auto Deploy to a server (CI/CD)

Role:- Full Stack Developer

Industry:- Information Technology

CSV Extractor
A Next Js app is used to extract data from a CSV file upload from the computer and to visualize the data on the site in tables.

The following technologies used in this project: -
- Front End - React JS
- Backend – Python, Django, FastAPI
- Database - PostgreSQL
- Host Deployed to heroku via Git CD/CI deployment

Role:- Full Stack Developer

Industry:- Sales CRM

E-commerce API
An e-com API built with FastAPI, using AWS RDS PostgreSQL database. It includes endpoints for managing products, orders, and users, with authentication using JWT. CI/CD are managed using GitHub Actions and Docker

The following technologies used in this project: -
- Backend - Rest API (Python, FastAPI)
- Database - MySQL
- Host - AWS (EC2 Instance)
- Integrations - Stripe, Xero, Braintree

Role:- Full Stack Developer

Industry:- Information Technology