

**Akash Kumar**

**MEAN Stack**

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### SUMMARY:

- Highly skilled full-stack developer with a passion for building interactive and data-driven web applications.
- Expertise in MERN and MEAN stacks allows for seamless development across the entire application stack. Adept at creating and integrating RESTful APIs to ensure smooth communication between front-end and back-end systems, facilitating efficient data flow.
- Lifelong learner with a constant drive to stay updated on emerging technologies and industry trends to deliver innovative solutions

### TECHNICAL SKILLS:

Area	Experience
Languages	HTML, CSS, JavaScript, Typescript,Python
Frameworks & Libraries	Node Js, Angular, Css, Nest Js, Mongoose, Open Ai, ExpressJs, ReactJs,Django,Flask,
NoSQL DBMS	MongoDB
TOOLS	GIT, Postman, Swagger,Jest
Web Server	Nginx

### EXPERIENCE SUMMARY:

**Tech Stacks:**Node.js, Express.js, JWT Token, Nest.js, MongoDB etc.

- **Mobilecoderz Technologies Pvt.Ltd.** - Full Stack  
Duration - May 2023 – Till date.
- **10X Academy.** -  
MERN Stack Duration - July 2022 – March 2023

## KEY PROJECTS:

### Project #1

#### B2B(Almwred)

**Tech Stacks:** Angular,NestJs, Express.js, MongoDB

**Role:** As a Backend Developer

#### Description:

- Developed and maintained backend systems for a B2B project using Angular, NestJS, Express.js, and MongoDB.
- Designed and implemented RESTful API architectures to support seamless communication between frontend and backend systems.
- Utilized NestJS to efficiently handle routing, middleware, and authentication logic, ensuring optimal performance and security.
- Integrated MongoDB to store and manage large volumes of data, implementing efficient querying and indexing strategies for improved performance.
- Collaborated with frontend developers to ensure smooth integration and functionality of frontend and backend components.
- Implemented various backend functionalities including user authentication, authorization, data validation, and error handling.
- Wrote comprehensive test cases for every API endpoint to ensure functionality, reliability, and maintainability of the backend systems.
- Actively participated in code reviews, debugging, and troubleshooting to ensure the reliability and stability of the backend systems.

#### Key Achievements:

- Successfully developed and maintained backend systems for a B2B project, contributing to the project's overall success and user satisfaction.
- Leveraged Angular, NestJS, Express.js, and MongoDB to design and implement scalable and efficient backend architectures, meeting business requirements and performance targets.
- Implemented rigorous testing practices by writing test cases for every API endpoint, ensuring the functionality, reliability, and maintainability of the backend systems.

### Project #2

#### ConnectIf

**Tech Stacks:** React, NestJS, Express.js, MongoDB

**Role:** As a Backend Developer

**Description:**

- Designed and implemented RESTful API architecture using NestJS and Express.js to facilitate freelance gig-based work.
- Developed secure user authentication and authorization mechanisms using JSON Web Tokens (JWT) for access control.
- Configured MongoDB database to store user profiles, gig details, bid proposals, and transaction records.
- Integrated third-party services, such as Stripe, for secure online payments and subscription management.
- Implemented validation, error handling, and logging mechanisms to ensure data integrity and consistency.
- Documented backend architecture, API specifications, and deployment procedures for knowledge transfer and maintenance.

**Key Achievements:**

- Streamlined gig-based work process, enhancing user experience for both Clients and Suppliers.
- Enabled seamless and secure transaction processing through Stripe integration.

### **Project #3**

**Beatup**

**Tech Stacks:** Angular, Node.js, Express.js, MongoDB, AWS

**Role:** As a Full Stack Developer

**Link:**

Web: <https://www.beatup.app/>,

Admin: <https://admin.beatup.app/>

**Description:**

- Developed a gaming facilitation app with features such as score & ranking management, seamless tournament participation via toornament.com integration, and interactive elements like leaderboards and daily tasks.
- Implemented user-friendly features, including a robust issue reporting system, innovative monetization strategies with RP, BUC & BBUC coins, and seamless payment transactions through PayPal & Coin2Pay gateways.
- Leveraged AWS services like SNS, SES, and S3 for effective communication, media data storage, and optimized resource management, including the use of CRON jobs for inactive user data transfer to S3 Glacier.

- Streamlined deployment processes with GitHub Actions and Docker containers, ensuring efficient workflows and platform stability.
- Managed PM2 instances and EC2 infrastructure for high availability and optimal performance, contributing to overall user satisfaction and engagement.

### **Key Achievements:**

- Enhanced user engagement and retention through intuitive features and monetization strategies.
- Improved platform reliability and user satisfaction with a robust issue reporting system.
- Optimized storage and resource management for efficient data handling and cost savings.
- Streamlined deployment processes for enhanced workflow efficiency and platform stability.
- Ensured high availability and optimal performance, contributing to overall user satisfaction and platform success.

### **Project #4**

#### **SpiinPiin**

**Tech Stacks:** Angular, Node.js, Express.js, MongoDB

**Role:** As a Full Stack Developer

#### **Link:**

Web: <https://dev.spiinpiin.com/>

Admin: <https://dev.admin.spiinpiin.com/>

#### **Description:**

- Developed the Admin Panels Dashboard for SpiinPiin, serving as a robust analytics tool for administrators.
- Leveraged Chart.js to implement dynamic data visualization, including real-time bar charts displaying total registered users, as well as line and bar charts showcasing daily and monthly active user counts.
- Utilized APIs to power dynamic line charts that visualize users' average daily engagement, enabling seamless switching between daily, monthly, and yearly views.
- Ensured administrators have access to comprehensive platform metrics through an intuitive and visually appealing Dashboard interface.

- Contributed to the development of SpiinPiin, a geosocial media network that allows users to post photos and videos organized by date and time on an interactive map.
- Collaborated with cross-functional teams to integrate users' personal experiences, friends and family content, and news events, creating a comprehensive and visually appealing narrative of their lives.

**Key Achievements:**

- Enhanced user engagement and retention by providing administrators with comprehensive platform metrics through the Admin Panels Dashboard.
- Contributed to creating a unique and engaging user experience on SpiinPiin, fostering a strong sense of community and connection across geographical boundaries.

**EDUCATION:**

- B. Tech 2019