

# Mahesh Doiphode

Software Engineer

Pune, India

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## Skills

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- **Languages:** C#, Java, SQL, Bash Shell
- **Frameworks:** .Net Core, SpringBoot, Angular, Bootstrap
- **Databases:** MongoDB
- **Technologies:** Docker, Kubernetes, YAML, REST API, Git, Microsoft Azure

## Experience

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### *NCSi Technologies / Associate Engineer*

April 2023 - Present, Pune, India

#### *Visitor Management System (Internal Project)*

- Developed a robust Visitor Management System that provides a seamless experience for managing, tracking, and analyzing visitor data within an organization, ensuring enhanced security and communication between hosts and visitors.
- **API Development:** Crafted **RESTful APIs** using **.NET**, facilitating operations like visitor management, notifications, and data retrieval.
- **Front-End Development:** Utilized **Angular** to create an intuitive UI/UX, ensuring ease of use for visitors and hosts.
- **Data Management:** Employed **Entity Framework** and **SQL Server** to manage data transactions and storage, ensuring data integrity.
- **Containerization:** Implemented **Docker** to containerize the application, ensuring consistent and reliable deployment across various environments.
- **Automated Notifications:** Developed a system to send automated email notifications, calendar invites, and feedback forms to hosts and visitors.
- **Analytics Dashboard:** Provided an analytics dashboard for admins, offering insights into visit data, visitor trends, and resource utilization.

#### *Mobile Banking Application*

- Attended a 3-month intensive training program in **.NET Core 6**, **Entity Framework**, **Angular**, **Docker**, **Kubernetes**, and Azure deployment.
- Developed a comprehensive financial management application named Mobile Banking Application as a capstone project during the training period.
- Acted as a Full Stack Developer, responsible for both frontend and backend development.
- Utilized **Angular** for the frontend and **.NET Core** for the backend, following a microservices architecture.
- Implemented various microservices, including User, Transaction, Expense, and Notification, to handle different aspects of the application.
- Created and maintained foundational data such as User Accounts, Transactions, Expenses, and Notifications.
- Prepared design-level, program-level, and user-level documentation for the application.
- Built Reports and Graphs using **Chart.js** to visualize transaction and expense data.

- Implemented a Chatbot using the **ChatGPT** model 3.5, providing interactive and intelligent conversational capabilities.
- Collaborated with the team to troubleshoot integration issues between the frontend and backend, particularly in the Transaction module.
- Implemented and documented features to meet specific business needs and support financial management processes.
- Worked with process owners to develop workflows, implement them in Service Applications, and administer the tools.
- Integrated OAuth **JWT** for user authentication.
- Worked on data sources, external connectivity using **REST APIs**, email integrations, and more.
- Leveraged **Docker** for containerization of microservices and deployed the application on Azure.
- Utilized **Git** for version control and followed project management practices using **Jira**.
- Employed **Agile** methodologies for iterative development.
- Ensured application security by implementing **JWT** authentication and role-based authorization.
- Optimized application performance by implementing efficient data structures and algorithms.

## *Synechron Technologies / Apprentice*

**December 2022 - April 2023, Pune, India**

- Developed a dummy site for the internal company management ERP portal using the **Spring Framework**.
- Designed and implemented the back-end functionality, including the database schema and API endpoints.
- Leveraged **Spring Framework** to create the web application.
- Utilized front-end technologies such as **Angular** and related libraries to build an intuitive user interface.
- Demonstrated proficiency in version control using **Git**, ensuring efficient code management.
- Implemented **Agile** methodologies, contributing to effective project management and timely deliverables.
- Gained hands-on experience in using **Spring Framework** to develop web applications.
- Acquired valuable skills in database management, including **MSSQL**.
- Showcased problem-solving abilities and the capacity to quickly learn and adapt to new technologies.
- Received positive feedback from the development team for effective collaboration and contributions to the project.

## **Education**

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### **Dhole Patil College of Engineering**

B.E (I.T)  
June 2018 - June 2022

Pune, India  
Marks - 7.98 C.G.P.A

### **BJS College of Arts, Science and Commerce**

10 + 2 (Science)  
June 2016 - June 2018

Pune, India  
Marks - 56.77%

### **Phoenix English School**

Matriculation  
June 2015 - June 2016

Pune, India  
Marks - 80.60%

## Personal Projects

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### *Chat Application/ Full Stack Developer*

September 2023 - October 2023, Pune, India

- Undertook the development of the SecureChat Messaging Application as a solo project, focusing on creating a secure and feature-rich messaging platform.
- **Real-Time Messaging Expertise:** Utilized **SignalR** to implement real-time messaging, enabling instant and seamless communication between users. My expertise in real-time technologies ensured a responsive messaging experience.
- **Privacy-First Approach:** Implemented encryption for private chats, guaranteeing user data confidentiality and security. This privacy-centric feature was fundamental to building user trust.
- **Database Management:** Leveraged **Entity Framework** to optimize database operations, ensuring efficient storage, retrieval, and management of messages and user data.
- **Security Implementation:** Implemented robust security protocols to safeguard user information and data integrity, highlighting commitment to user safety and privacy.
- **User-Centric Features:** Developed user-centric features like **message status indicators**, **self-destructing messages**, and **member search**, enhancing the overall user experience and satisfaction.

### *Social Media Application/ Full Stack Developer*

December 2022 - April 2023, Pune, India

- Developed a dynamic and interactive social media platform as a personal project.
- Implemented a user-friendly account creation process, allowing users to easily create new accounts and join the platform.
- Incorporated social networking features, enabling users to follow/unfollow other users and establish connections within the community.
- Designed a comprehensive post management system, allowing users to create, update, and delete posts with text content, images, and tags.
- Implemented engagement features, including the ability to like/unlike posts, share content, and receive notifications for post interactions.
- Personalized user experience with a timeline feature, displaying posts from the users they follow.
- Developed robust profile management capabilities, enabling users to update their profile information, including email and password.
- Implemented email verification functionality to enhance account security and ensure user authenticity.
- Built a password reset feature, providing users with the ability to reset their passwords in case of security concerns.
- Leveraged **Entity Framework** to simplify database operations, including entity mapping and query generation.
- Created a modern and responsive user interface with **Angular**, **Angular Material UI**, and **Type-script**.
- Gained valuable experience in **.Net**, **Entity Framework**, **Angular**, and database management, through the development of this personal project.

## Hobbies

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Self-Reflect Alone Time