HEMASAGAR T G
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Objective

Full Stack Developer with over 3 years of experience in designing, developing, and deploying web applications using MERN, MEAN, Java, and .NET stacks. Proficient in building RESTful APIs, implementing responsive front-end designs with React.js and Angular, and optimizing backend performance using Dot Net and Spring Boot. Strong expertise in database management, best design practices, and data structures and algorithms. Adept at working in Agile environments and delivering high-quality solutions.

Education

- Master of Computer Applications (MCA) from Kristu Jayanti College - 2024 – 8.21 CGPA
- Bachelor of Computer Applications (BCA) from Seshadripuram College - 2021 - 8.3 CGPA
- PUC from Mahesh PU College - 2017 - 64.83%
- SSLC from Chethana Vidya Mandira H S - 2015 - 71.52%

Work Experience

Acelucid Technologies Private Limited
Software Engineer 1 | Feb 2024 – Present

- Led the development of the 'LISTEN' project, architecting dynamic web applications using the Angular, .NET, and MongoDB stack to ensure seamless front-end and back-end integration.
- Designed and implemented secure APIs for the 'LISTEN' project, facilitating efficient data exchange between client-side applications and server-side services, enhancing overall security and reliability.
- Refactored and optimized code for improved application performance, maintainability, and scalability, ensuring high-quality deliverables throughout the project lifecycle.
- Contributed to Agile development methodologies as a team lead, collaborating with cross-functional teams to refine project requirements and enhance system functionalities for the 'LISTEN' initiative.
- Conducted code reviews and provided mentorship to junior developers, fostering a culture of continuous improvement and adherence to best practices within the team.

Freelance Full Stack Developer
Aug 2022 – Jan 2024

- Developed and maintained web applications using HTML, CSS, Bootstrap, JavaScript, PHP, MySQL, and Java for various clients.
- Implemented responsive designs and ensured seamless integration of front-end and back-end systems.
- Collaborated with clients to gather requirements and deliver tailored software solutions.
- Optimized application performance through code refactoring and best practices in software development.
- Conducted testing and debugging to ensure high-quality deliverables and user satisfaction.

Tata Consultancy Services (TCS)
Graduate Trainee | Jul 2021 – Jul 2022

- Facilitated technical assistance by diagnosing and resolving software issues, ensuring seamless client operations.
- Played a key role in addressing technical challenges, enhancing client satisfaction and system reliability.
- Acquired valuable experience in system maintenance and troubleshooting complex issues effectively.
- Delivered exceptional customer service while thriving in a dynamic and fast-paced environment.
- Collaborated with cross-functional teams to streamline processes, driving overall service efficiency.

Technical Skills

- **Programming Languages:** Java, C++, C#, Python, JavaScript, TypeScript, PHP
- **Web Development:** HTML, CSS, ReactJS, Angular, NodeJS, Express, .NET, ASP.NET, Spring Boot
- **Database Management:** SQL, MongoDB
- **APIs:** REST API, Web API
- **Frameworks & Libraries:** MERN, MEAN, Express, Spring Boot, .Net
- **Software Development:** Data Structures and Algorithms, Software Design Patterns, SOLID Principles, MVC Architecture
- **Tools & Platforms:** Git, GitHub, AWS
- **Other Skills:** Agile Methodology, Unit Testing, Version Control, Responsive Design

Projects

- ✓ **LISTEN (2024):**
    - ❖ Company Name: Acelucid Technologies Private Limited
    - ❖ Project Name: LISTEN
    - ❖ Objective: The LISTEN project promotes sustainability through the integration of solar energy solutions, electric vehicle (EV) infrastructure, AgriTech innovations, and heat pump technologies, emphasizing environmental responsibility and efficient use of renewable resources.

    Technologies Used:
    - ▪ Design: Figma
    - ▪ Frontend Development: HTML, CSS, Bootstrap, Angular
    - ▪ Backend Development: .NET
    - ▪ Database: MongoDB
    - ▪ Deployment: AWS
    - ▪ Project Management: Trello

    Roles and Responsibilities:
    - ❖ **Team Leadership:**
        - ▪ Led a cross-functional team of developers, designers, and stakeholders, fostering a collaborative environment to meet project goals.
        - ▪ Conducted regular scrum meetings to assess team progress, address challenges, and adapt plans as necessary.
    - ❖ **Client Engagement:**
        - ▪ Managed client meetings to gather requirements, ensuring alignment with project objectives and expectations.
        - ▪ Served as a bridge between the client and the development team, sharing updates and collecting feedback during the project.
    - ❖ **Project Management:**
        - ▪ Utilized Trello for tracking progress, organizing tasks, and ensuring deadlines were met.
        - ▪ Defined project scope, objectives, and deliverables, and adapted plans based on ongoing stakeholder input.
    - ❖ **Technical Documentation:**
        - ▪ Developed comprehensive technical documentation and setup documentation to guide team members and facilitate knowledge sharing.
        - ▪ Maintained and updated code standards documentation to ensure best practices were followed across the team.
    - ❖ **Code Management and Deployment:**
        - ▪ Managed and maintained code quality standards, conducting code reviews and ensuring adherence to best practices.
        - ▪ Led deployment processes to AWS, ensuring a smooth transition from development to production environments.

- ❖ **Quality Assurance:**
  - Oversaw manual testing processes, identifying bugs and reporting issues to ensure high-quality deliverables.
  - Coordinated bug tracking and resolution efforts, ensuring timely fixes and updates were implemented.
- ❖ **Continuous Improvement:**
  - Identified opportunities for process improvements and implemented best practices to enhance team productivity and project outcomes.
  - Kept abreast of emerging technologies and industry trends to drive innovation within the project.
- ❖ **Sustainability Focus:**
  - Collaborated with stakeholders to ensure project components aligned with sustainability goals, leveraging renewable technologies.
  - Monitored project outcomes related to sustainability metrics and reported findings to leadership.

✓ **ClinicFlow-WebApi (2024):**
- ❖ **Overview:** ClinicFlow-WebApi is a RESTful API developed using .NET and MongoDB to manage doctor appointments, patient records, and clinic operations efficiently.
- ❖ **Technologies Used:**
  - .NET Core
  - MongoDB
  - Swagger
- ❖ **Features:**
  - Appointment Scheduling and Management: Users can easily schedule, modify, or cancel appointments, enhancing clinic workflow and patient convenience.
  - Patient Records Handling: Securely manages patient data, ensuring quick access for healthcare providers and compliance with data privacy regulations.
  - Doctor Availability Tracking: Monitors and displays doctor availability in real-time, facilitating better appointment scheduling and resource allocation.
  - Integration with MongoDB: Leverages MongoDB for efficient data storage and retrieval, supporting scalability and performance.
  - Secure and Scalable Backend Services: Implements robust security measures and scalable architecture to handle varying loads and protect sensitive information.

- **Cash-Register-Manager (2024):**
  - ❖ **Overview:** Angular application designed to help users calculate change based on the total amount and the amount paid.
  - ❖ **Technologies Used:**
    - Angular
    - Bootstrap
    - Typescript
    - HTML/CCSS
  - ❖ **Features**
    - Change Calculation: Automatically calculates the change to be returned.
    - Denomination Display: Shows denominations with their respective counts for easy understanding.
    - Responsive Design: Optimized for use on all devices, ensuring accessibility and usability.

✓ **To-Do (2024):** Full-stack MERN To-Do application enabling users to create, read, update, and delete tasks, streamlining daily task management with a seamless user experience.

✓ **User-Device-Management-API (2024):** This is a Spring Boot REST API that manages users and their devices, using MongoDB as the database.

- ✓ **Techuniverse (2024):** A web application that provides links to all technical skills tutorials built using Angular.
- ✓ **Car-Racing (2024):** A windows car racing application built using C#.
- ✓ **QUIZ_BOUT (2023):** An android quiz application built using java in android studio.
- ✓ **IT ASSET MANAGEMENT SYSTEM (2023):** A Web application built using HTML, CSS, JS, PHP, & MYSQL to manage IT assets like laptop, mouse, etc.
- ✓ **HANDY MAN - A HOME RENOVATION SYSTEM (2023):** A Web application built using HTML, CSS, JS, PHP, & MYSQL to illustrate the home renovation system.
- ✓ **DIGI NOTES (2021):** A windows application built using C# and MySQL using Visual Studio for the BCA students which includes the pdf notes for all semesters digital notes in pdf format.
- ✓ **BANKING SYSTEM (2020):** A Web application built using HTML, CSS, JS, PHP, & MYSQL to illustrate the transactions done in the banks.
- ✓ **DREAM-SET (2020):** A Web application built using HTML, CSS, JS, bootstrap.
  GitHub Repository Link: https://github.com/Hemasagar-T-G?tab=repositories

Technical Expertise

- **MERN & MEAN Stacks:** Developed full-stack applications using MongoDB, Express.js, React.js, and Node.js. Integrated RESTful APIs for data management and used Angular for building dynamic single-page applications.
- **Java & Spring Boot:** Built microservices using Java and Spring Boot, implementing REST APIs and ensuring security using OAuth2.0 and JWT.
- **C# & .NET:** Created scalable web applications with ASP.NET Core, focusing on MVC architecture, Web APIs, and SQL Server integration.
- **Database Management:** Extensive experience in designing and optimizing databases in SQL and NoSQL environments, including MongoDB and MySQL.
- **Data Structures & Algorithms:** Applied advanced data structures and algorithms to optimize application performance and ensure efficient resource utilization.

Key Achievements

- Optimized front-end components using Angular, significantly reducing page load time and enhancing performance.
- Integrated APIs to improve project functionality, resulting in a 15% increase in user engagement.
- Gained extensive experience in software development best practices and industry standards by contributing to live projects.
- Collaborated with cross-functional teams to implement Agile methodologies, boosting project delivery speed and team productivity.
- Conducted code reviews, providing constructive feedback to promote a culture of quality and continuous improvement.
- Ensured high performance, responsiveness, and security of applications through robust data protection measures.
- Developed reusable, testable, and efficient code, adhering to industry standards.
- Stayed current with emerging technologies and best practices to continuously enhance technical expertise.
- Mentored junior developers and facilitated knowledge-sharing sessions, contributing to team growth and skill development.
- Collaborated with product managers and stakeholders to align technical solutions with business objectives, ensuring seamless product delivery.
- Proactively identified and resolved performance bottlenecks, improving overall system stability and user experience.