YASH DAXINI

in LinkedIn | 📱 91730 66249 | 🌐 yashdaxini.com | ✉ yashdaxini2003@gmail.com | ⭘ GitHub

Summary

- Software Development Engineer with experience designing and implementing multi-tier distributed applications using Java, C#, NET, Node.js, Angular and React.
- Hands-on in building scalable RESTful microservices, optimizing backend performance, and integrating with cloud and on-prem systems across the full software development life cycle.
- Experienced in agile methodologies, CI/CD, automated builds, and code reviews, with a strong focus on reliability, performance, and Extensible system design.

Skills

- **Languages:** C# | Java | PHP | JavaScript (ES6+) | TypeScript | jQuery
- **Databases:** MSSQL | MongoDB | MySQL | Redis | Firebase
- **Frameworks & Tools:** React.js | Angular | Node.js | Express.js | ASP.NET MVC | .NET WebAPI | Slim (PHP) | Ionic Framework
- **DevOps & Build Systems:** Docker | TeamCity | IIS Deployment | CI/CD Pipelines | Mobile Build Automation (Android APKs) | Linux
- **Core Engineering:** REST APIs | Microservices | System Design | Scalable Systems | Data Structures | Algorithms | OOP
- **Version Control:** Git | GitHub
- **Other:** HTML5 | CSS3 | Bootstrap

Experience

Jr. Software Engineer	Tark technologies	07/2024 - Current

- Designed and implemented **CI/CD pipelines** in **TeamCity** for multi-tier applications, including **automated build steps**, **artifact generation**, and **IIS deployment** workflows, **reducing manual deployment time** and improving release consistency across QA and Staging environments.
- Generated **Android APKs** for Angular (Ionic) applications and **automated mobile build** and deployment workflows, accelerating testing cycles and reducing turnaround time for QA.
- **Improved performance** and reliability of backend services by refactoring inefficient database logic and API endpoints, reducing redundant queries and improving response times under increased load.
- Implemented and maintained hybrid deployment architecture **connecting on-premises** and **cloud-based systems**, **reducing data duplication** and enabling reliable, scalable bi-directional synchronization.
- Architected and delivered a **new microservice** that communicates directly with cloud applications, **reducing overall synchronization load**, **eliminating multi-database duplication**, and introducing structured logging and end-to-end authentication for secure, observable operations.
- **Developed plugins for HomeSeer** to integrate IoT devices (smart plugs, locks, Wi-Fi bulbs) using React, JavaScript, and C#, enhancing interoperability and robustness of automation workflows for customers.
- Contributed to an algorithmic trading platform as a full stack engineer, leading frontend implementation in React and optimizing backend performance using Redis caching, resulting in faster data refreshing and lower server load during peak trading periods.

Software trainee	Tark technologies	01/2024 - 07/2024

- Built and maintained backend modules using C#, .NET Core, and EF Core, following **clean code principles**, **unit testing**, and **code review practices** as part of the full software development life cycle.
- Implemented a customizable event scheduling system with recurring event logic and optimized algorithms, improving scheduling performance and reliability for high-volume usage scenarios.
- Collaborated with cross-functional teams to design and implement an AWS-based billing engine, applying object-oriented design, data modeling, and scalability best practices to meet evolving business requirements.

Education

Bachelor of Engineering	Darshan University	08/2020 - 06/2024

- **CGPA**: 9.31

Mentorship

- **Computer Science Tutor:** Programming | Data Structure and Algorithms | Database management system | React JS | Node JS

Projects

- **Customizable Event Calendar:** Built a **Microsoft Outlook-inspired calendar** application with **recurring event** logic and optimized overlap calculation algorithms, improving scheduling performance and handling edge cases reliably for large numbers of events. Link to Frontend Code and Backend Code.
- **Distributed Rate Limiter:** Developed a high-performance **distributed rate limiter** to manage API traffic **across multiple servers** using Node.js, TypeScript, React, and Redis, apply Lua scripts for atomic operations and robust edge-case handling. Implemented **sliding window** and **lazy refill** techniques to improve accuracy and performance under high concurrency, Demonstrating experience with distributed system design and reliability. Link to Code.
- **Comment System:** Created a dynamic comment system where users can create posts, comments, and replies, including Upvote/downvote functionality, using React, PHP-Slim, and MySQL, emphasizing scalable backend design and responsive UI. Link to Code.

Others

- **1st rank**: Achieved **1st place** in the 30-Hour **.NET Hackathon organized by Gateway Group**. **(03/2023)**
- **Top 0.4%**: Ranked **38th** out of 10,205 participants in the Code chef December Long Challenge 2022 and a **global rank of 260 in Starters 99**.