Pratikkumar Patel

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SUMMARY

Experienced Full-Stack Developer with 8.5 years of expertise in designing and implementing scalable, high-quality web applications. Adept in .NET technologies (ASP.NET, .NET Core, C#) and front-end frameworks (React.js, Next.js). Proficient in REST API design, event-driven architecture, and cloud platforms (AWS, Azure). Demonstrated leadership as a Technical Architect, with a proven track record of creating secure, high-performance system architectures. Skilled in optimizing application performance, conducting thorough testing and debugging, and implementing best practices. Committed to collaborating with cross-functional teams to translate complex requirements into innovative solutions. Passionate about mentoring, fostering innovation, and driving project success through strategic problem-solving and visionary leadership. Known for effectively addressing complex challenges and enhancing customer satisfaction.

SKILLS

Full-Stack Development: .NET Core, ASP.NET MVC, C#, REST API, SOAP API, Microservices, Event-Driven Architecture

Front-End Technologies: HTML, CSS, JavaScript, React, Next.js, Angular, jQuery

Back-End Technologies: SQL Server, MySQL, Entity Framework, ADO.NET, RabbitMQ, Redis

Development Tools: GitHub, TFS, Jira, VS Code, Visual Studio, Docker, Kubernetes, Minikube

API Tools: Swagger, Postman, SoapUI, Stoplight

Authentication: OAuth 2.0, JWT

Methodologies: Agile (Scrum, Kanban), Performance Optimization, Caching Strategies

Cloud Technologies: AWS (RDS, EKS, EC2, CI/CD), Azure (VPC, CI/CD, Active Directory)

EXPERIENCE

Associate Technical Architect

Maruti Techlabs Pvt. Ltd.   **April 2024 - Present, India**

· Actively developed proof-of-concepts and engaged in hands-on coding to validate technical feasibility, leading to more informed decision-making and successful implementation of solutions.
· Led the design and implementation of scalable software architectures, enhancing system performance and supporting 50% higher user traffic.
· Architected and executed strategies for continuous integration and continuous deployment (CI/CD), reducing deployment times by 40% and improving release efficiency.
· Optimized application performance by implementing advanced caching techniques and database indexing, achieving a 30% reduction in load times.
· Utilized performance monitoring tools to proactively identify and resolve issues, reducing downtime by 50% and enhancing system reliability.
· Collaborated with stakeholders to gather and analyze requirements, translating them into technical specifications and driving the successful delivery of projects.
· Identified and mitigated technical risks by collaborating with the Technical Project Manager and Technical Lead, contributing to successful project delivery and minimizing potential issues.
· Established, enforced, and reviewed coding standards and best practices, resulting in improved code quality and consistent adherence across the development team.

Technical Lead

Maruti Techlabs Pvt. Ltd., India   **August 2021 - April 2024, India**

· Led a team of 5 full-time engineers, and participated in planning, grooming, backlog refinements, and design discussions to improve software module/product features that enhance the product while maintaining robustness, scalability, and fault tolerance.
· Implemented a microservices architecture that improved system scalability by 50%, utilizing Docker and Kubernetes for containerization and orchestration.
· Enhanced system scalability and performance by designing and implementing an event-driven microservices architecture with RabbitMQ and .NET Core, which improved task execution efficiency by 30% and reduced system latency by 25%.
· Enhanced REST API performance by optimizing SQL queries and implementing distributed caching strategies, resulting in a 40% improvement in API response time.
· Developed a unified login system using OAuth 2.0 and JWT for secure authentication, integrating Google, Facebook, and Apple logins, and boosting user engagement by 15%.

- Implemented a performance monitoring dashboard for critical endpoints, which enabled faster detection of performance issues and reduced the damage caused by such issues by 20%.
- Participated in code reviews, providing constructive feedback, and contributing to continuous improvement in the development process.

Senior Software Engineer
Maruti Techlabs Pvt. Ltd., India   **September 2020 – July 2021, India**
- Designed and developed a highly scalable and extensible microservice architecture using .NET Core, integrating key technologies such as CQRS with MediatR, FluentValidation for validation, AutoMapper for object mapping, EF Core for data access, IdentityServer4 for security, Serilog for logging, RabbitMQ for domain events, Redis Cache for caching, and AWS Parameter Store for configuration and secrets management. Deployed and tested the architecture with Docker and Kubernetes, and performed unit testing with xUnit and Moq. Utilized several design patterns to enhance system maintainability and scalability.
- Enhanced microservice performance by diagnosing and resolving memory leakage issues, optimizing database queries, and refining code, resulting in a 40% increase in efficiency and a 30% reduction in system crashes.
- Developed an Identity Provider Service using IdentityServer4, OpenID Connect, and the OAuth 2.0 framework in ASP.NET Core, facilitating secure authentication and authorization across multiple applications.
- Mentored junior engineers on the development process, coding standards, and code review practices, resulting in improved code quality and a 25% reduction in code review turnaround time.
- Designed and integrated APIs with external systems, enabling seamless data exchange and improving interoperability by 35%.

Senior Software Engineer
CIMCON Infotech Pvt. Ltd., Gujarat, India   **June 2019 – September 2020, India**
- Led a team of 4 full-time engineers, participated in defining the roadmap for the team, established engineering best practices, and mentored other team members.
- Designed and developed high-quality, high-performance, secure, and maintainable SaaS applications that are cross-browser and cross-device compatible, using ASP.NET MVC, JavaScript, Web API, Entity Framework, SQL Server, HTML5, jQuery, CSS, and Bootstrap.
- Identified and resolved stability, scalability, and performance issues, as well as challenges related to cross-browser compatibility, web standards, and interoperability.
- Automated the setup creation process using TFS and InstallShield, reducing manual steps from 15 to 1 and cutting setup creation time by 90%, resulting in a significantly smoother and faster release process.

Software Engineer
CIMCON Infotech Pvt. Ltd., Gujarat, India   **July 2018 – June 2019, India**
- Implemented performance optimization strategies, leading to a 25% improvement in application responsiveness and overall system efficiency.
- Applied functional programming principles to enhance code modularity and maintainability, leading to a 15% decrease in codebase complexity.
- Developed a dynamic form system that adapts based on client configurations, including formula fields, custom validation, grouping, and diverse field types. This feature quickly gained traction, with widespread adoption within just one month of launch.

Junior Software Engineer
CIMCON Infotech Pvt. Ltd., Gujarat, India   **April 2016 – June 2018, India**
- Research and develop a Chrome Extension that communicates with the executable. Therefore, some functionalities that previously worked only in IE started working in Chrome.
- Developed a new 360° appraisal system that makes employee increment processes simpler, unbiased and faster than traditional appraisal processes. Built with ASP.NET Web Form, JS, CSS and HTML5.
- Gained experience with third-party integrations in .NET Framework-based web applications, including Telerik controls, Kendo UI, Crystal Reports, and SpreadsheetGear.

PROJECTS

Peddle
Maruti Techlabs Pvt. Ltd. · peddle.com · September 2020 – Present
- Migrated an online vehicle marketplace platform from a monolithic architecture to microservices, enhancing scalability and performance. Transitioned from SOAP API to REST API and developed an authentication service using OAuth 2.0 for secure user authentication.
- Implemented an event-driven microservices architecture that improved system scalability and performance by asynchronously executing independent tasks using Rabbit MQ message broker and .NET Core services.
- Built with the Next.JS, ReactJS, .NET Core, SQL Server, PostgreSQL, NoSQL, Redis, RabbitMQ, Duende Identity Server, Ocelot API Gateway and hosted on AWS infrastructure using a Docker, Kubernetes, EKS, and other AWS managed services.

EUC Insight
CIMCON Software Pvt. Ltd. · www.cimcon.com/products/solutions-eucinsight-inventory · April 2016 – August 2020
- Contributed to the development of an EUC management solution designed to help organizations monitor, manage, and mitigate risks associated with spreadsheet and database applications. Enhanced system capabilities for data analysis, reporting, and compliance tracking.

- Migrated ASP.NET Web Form application to ASP.NET MVC application using a REST API, HTML, CSS, Javascript, Entity Framework, Redis, Message broker, and hosted on the AWS EC2.
- Enhanced system security and performance by optimizing code and implementing advanced encryption methods, resulting in a 25% reduction in data breaches and faster processing times.

EDUCATION

Master of Computer Application
Charotar University of Science and Technology, India · India

Bachelor of Computer Application
VNSGU, India · India

CERTIFICATIONS

Microsoft Certified Professional (486: Developing ASP.NET MVC Web Applications)
January 2019