

Saraswathi Sakthikumar

Software Developer | Permanent Resident

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SUMMARY

- Results-driven **Senior Software Developer** with **7+ years** of experience in **Software and ERP development** for **Manufacturing and Healthcare** sectors.
- Skilled in **ASP.NET Core, Core Java, SQL Server, and React**, with expertise in **design, development, debugging, performance optimization, and integration**.
- Adept at **commercial and enterprise-level ERP architecture** and **full SDLC, CI/CD, Git, and DevOps practices**.
- Proficient in **database design (Oracle, SQL Server, Stored Procedures)** and **data visualization (SSRS, Power BI, Tableau)**.
- Successfully **debugged and optimized a high-traffic ASP.NET application, reducing load time by 30%**.
- Passionate about **delivering innovative software solutions, integrating engineering with distributed systems, machine learning, and data science** to enhance business productivity.

TECHNICAL SKILLS

- **Programming Languages:** C#, .NET 4.8, ASP.NET Core, JavaScript (ES6+), jQuery, ReactJS, Java
- **Web Development:** HTML5, CSS3, Bootstrap 5, RESTful APIs, Razor Pages, Web Forms, Thymelaef
- **Frameworks & Libraries:** ASP.NET (MVC, Web API, WPF, WCF), LINQ, Spring 3.1.2, Hibernate, JDBC, Servlets
- **Databases & ORM:** Microsoft SQL Server, MySQL, Oracle, Entity Framework, LinqToSQL
- **DevOps & Version Control:** Git, GitHub, Bitbucket, Azure DevOps, CI/CD Pipelines
- **Debugging & Optimization:** Performance tuning, SQL query optimization, troubleshooting
- **Reporting & Visualization:** Power BI, SSRS

EDUCATION

- **2011** - Bachelor of Technology (BTech) in Electronics and Communication, Kalasalingam Academy of Research and Education, Tamil Nadu, India

WORK EXPERIENCE

System Analyst

Durabuilt Windows and Doors | Edmonton, Canada | Oct 2024 - present

- Increased system efficiency by 30% by developing and maintaining **.NET 4.8.1 applications** for ERP and CRM systems.
- Led full SDLC using **C#, Agile, and Scrum**, improving project delivery speed by 20%.
- Optimized application performance by 35% through **debugging, performance tuning, and bottleneck resolution**.
- Reduced integration issues by 40% by creating and validating **SOAP and RESTful web services**.
- Enhanced reporting capabilities by 25% by designing **SSRS reports** and optimizing SQL queries.
- Improved deployment efficiency by 50% by implementing **CI/CD pipelines** for faster, reliable software releases.
- Resolved 90% of system issues within **SLA** by collaborating with cross-functional teams and stakeholders.

Full Stack Developer

Codebuddy Pvt Ltd | Edmonton, Canada | May 2020 to Sep 2024

- Developed and deployed scalable web applications using **ASP.NET Core (MVC), C#, and SQL Server**, improving system efficiency by 30%.
- Reduced ticket resolution time by 40% by troubleshooting and resolving **Level 1 & Level 2 IT support issues** via Zendesk.
- Optimized database performance by 35% by designing **SQL Server schemas, stored procedures, and Entity Framework Core ORM mappings**.
- Increased test coverage by 50% by implementing **xUnit and NUnit unit/integration testing**, reducing post-deployment bugs.
- Accelerated project timelines by 20% through **efficient requirements gathering, scheduling, and documentation**.
- **Implemented Git-based version control** (GitHub & Bitbucket), ensuring efficient collaboration and **streamlined CI/CD workflows**.
- **Enhanced system responsiveness** by query optimization and performance tuning for **SQL Server (2008, 2010, 2012)**.

Software Engineer

Casperon Technologies Pvt Ltd | Chennai, Tamilnadu, India | Feb 2018 to Apr 2020

- **Developed and maintained .NET 4.8 and C# applications** with **SQL Server**, improving system efficiency by 25%.
- **Reduced application load time** by 30% through **performance tuning and SQL query optimization**.
- **Enhanced system stability** by 40% by upgrading **legacy code** and modernizing infrastructure.
- **Built and integrated APIs** to streamline **internal application workflows**, improving data consistency.
- **Developed automated testing procedures**, reducing deployment time by 35% and increasing code reliability.
- **Optimized data visualization** by designing **SSRS and Power BI reports** for improved business insights.
- **Improved collaboration** through **Git-based version control**, ensuring a streamlined development workflow.

CERTIFICATIONS

- Oracle Database SQL Certified Associate
- Certified Associate - Java SE 8 Programmer
- Certified PowerBI Data Analyst Associate

COURSES

- **Full Stack Java Developer** with ComIT.
- **Software Engineering Principles for Everyone** conducted by IBM.
- **Intro to Computational Thinking and Data Science** from Massachusetts Institute of Technology.