Lakshmi Prasanthi Mantravadi

Full Stack Developer| [lakshmi.p.mantravadi@gmail.com](mailto:lakshmi.p.mantravadi@gmail.com) | 862-520-8507 | US Citizen

**PROFESSIONAL SUMMARY**

Experienced Software Engineer with **over 5 years** in **full-stack** development, specializing in building scalable and **user-centric** web applications. Proficient in modern web technologies including **React.js, JavaScript, TypeScript, Node.js, C#, and .NET.** After a 15-year career break dedicated to raising a family and personal development, I am now excited to re-enter the workforce.

Throughout my career, I have delivered **enterprise-grade** applications used by thousands of users, led **Agile** teams as a **Scrum Master**, contributed to major legacy-to-modern platform migrations, implemented robust **testing** strategies to ensure product quality, and designed and optimized relational databases for scalable performance.

During my time away from the workforce, I remained engaged by upskilling in modern tools and technologies, including **React.js, Node.js, cloud services**, and current best practices in software development, testing and delivery. I’m highly motivated to bring this refreshed skill set and proven experience to a collaborative, forward-thinking team, contributing to impactful and innovative financial technology solutions.

**TECHNICAL SKILLS**

**Languages:** JavaScript (ES6+), HTML5, CSS3, TypeScript, Node.js, C#

**Frontend Libraries/Frameworks:** React.js, Redux, Next.js, Material UI, Bootstrap, Tailwind CSS, Dot Net, ASP.Net

**Architecture:** MVC, MVVM

**Backend:** Node.js, Express.js, RESTful APIs

**Version Control:** VSS, Git, GitHub, Bitbucket

**Tools/Technologies:** Webpack, Babel, NPM, Postman, Swagger, OpenAPI, Axios

**Testing:** TDD,BDD**,** ViTest, Jest, React Testing Library, Thunder Client

**Databases:** MongoDB, MySQL, MS SQL Server, Firebase, Postgres

**CI/CD:** Jenkins, Git Actions

**Design/UX:** Figma

**Cloud/Hosting:** Azure, AWS, Netlify

**PROFESSIONAL DEVELOPMENT**

Hands-on coursework completed:

* JavaScript, TypeScript, React.js, Redux, Tailwind CSS, Bootstrap CSS, HTML5, CSS3
* RESTful API, Node.js, MongoDB, Axios
* Jest, Vitest, React Testing Library, Thunder Client
* TDD, GitHub Actions, and CI/CD via self-paced platforms
* JavaScript Data Structures and algorithms
* Built a RESTful API with Node.js and Express.js connected to MongoDB.

**PROFESSIONAL EXPERIENCE**

**Software Engineer**

*NYC Department of Education, Brooklyn, NY Jan 2008 – Aug 2010*

**Procurement Card – Purchase Order**

* Developed the FAMIS Portal to streamline goods ordering, services procurement, and financial operations across NYC schools.
* Built SOAP-based WCF services for order validation and mainframe integration with .NET applications.
* Implemented user authentication and authorization through secure web services.
* Applied MVC design patterns to structure frontend and backend components for maintainability.
* Developed SQL Server stored procedures, triggers, and views; delivered dynamic reports using Crystal Reports and SSRS.
* Optimized database performance using SQL Profiler and Execution Plans for faster queries.
* Managed data loading and ETL processes using SSIS to populate SQL tables from external files.
* Contributed to full-stack development, including frontend, backend, unit testing, integration testing, and UAT.
* Served as Scrum Master, leading Agile requirement analysis, framework design, user story creation, and task estimation.
* Handled change requests and migrated legacy code from VB.NET to C#.NET for system modernization.

**Procurement Card - Expense Reporting**

* Built the FAMIS Portal to track procurement card usage, providing centralized oversight and enforcing spending limits across NYC schools.
* Automated custom reports on departmental, vendor, and spending trends using Crystal Reports and SSRS, improving financial transparency.
* Implemented notification systems to flag irregularities and ensure compliance with procurement policies.
* Served as Scrum Master, leading Agile planning, requirement analysis, user story creation, and sprint estimations.
* Optimized financial reporting by developing SQL Server stored procedures, triggers, and views.
* Conducted unit testing and UAT to validate system accuracy and regulatory compliance.
* Migrated legacy apps from VB.NET to C#.NET, integrating stand-alone systems into the unified FAMIS architecture.

Tech Stack: C# 2.0/3.5, Vb.net 2.0/3.5, .NET Framework 2.0/3.5, ADO.NET, WCF, N-Unit/MOQ, AJAX, Crystal Reports, Java script, HTML, XML, CSS, LINQ, SSRS, SSIS, SQL Server 2005/2008, TFS 2005/2008/2010.

**Software Engineer**

*Washington Mutual Redemption Management System, PB Systems, India Jun 05-Nov 06*

* Redesigned the Redemption Management System (RMS) UI using C#, ASP.NET, and HTML, modernizing WaMu's legacy platform.
* Built secure modules with user credential-based access controls to strengthen system security.
* Optimized SQL Server 2000 tables, queries, and stored procedures, improving data processing performance.
* Applied Microsoft Application Blocks for efficient data access, caching, logging, and exception handling.
* Generated reports using FarPoint and enabled seamless data exports from Excel to the database.
* Handled debugging, testing, and change requests to maintain system stability and reliability.

Tech Stack**:** C#, ASP.NET, .NET Framework, Microsoft Enterprise Libraries, JavaScript, HTML, CSS, XML, SQL Server 2005 and SQL Server Reporting tools.

**Software Developer**

*Udine University Student Management System, Global Birla Tech, India Nov 03 - May 05*

* Developed a Student Management System with modules for secure, efficient access to student, course, and exam data.
* Designed bilingual user interfaces in C# and XML, improving accessibility for English and Italian users.
* Built streamlined submission workflows using WinForms, enhancing user efficiency.
* Implemented role-based security with centralized database integration to protect sensitive data.
* Optimized SQL Server 2000 queries, stored procedures, and triggers to boost data retrieval speed.
* Delivered dynamic reports and certificates using SSRS, supporting academic analysis and operations.
* Collaborated with teams for on-time delivery, thorough testing, and smooth deployment.
* Provided documentation and post-launch support to ensure successful adoption.

Tech Stack**:** C#, ASP.NET, .NET Framework, JavaScript, HTML, CSS, XML, SQL Server and SQL Server Reporting tools.Bottom of Form

**EDUCATION**

Masters in Computer Applications, Andhra University, 2003

**CERTIFICATIONS**

[JavaScript Algorithms and Data Structures](https://www.freecodecamp.org/certification/LMantravadi/javascript-algorithms-and-data-structures-v8)