

Anthony Rhodes

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Blountville, TN

Career Summary

A seasoned software engineer and architecture professional with over two decades of expertise, I specialize in driving technological growth through high-quality application development. As a full stack developer my technical proficiency spans Vue, typescript, dot NET Core, C#, JavaScript, and SQL Server, enabling the design of robust and reliable service architectures. As a software engineering manager, I excel in team building, providing strategic guidance and mentorship that simultaneously advances individual career trajectories and organizational objectives. My architectural leadership has been pivotal in transitioning organizations to microservice architectures, significantly enhancing system performance, code maintainability, and overall software readability. My comprehensive approach integrates technical excellence with strategic team development.

Skills

- **Languages & Frameworks:** C#, .NET Framework, Entity Framework, LINQ, SQL, Vue 3 & 2
- **UI/UX Design:** Figma, Adobe XD
- **Architecture:** Microservices, Domain-Driven Design, Three-Tier Architecture
- **Databases:** Microsoft SQL Server, Stored Procedures, Views, ERD
- **Development Tools:** Visual Paradigm, Azure DevOps, GIT
- **Methodologies:** Agile, UML, Continuous Integration/Continuous Deployment (CI/CD)

Work Experience

Software Engineering Manager

FlexTech Solution LLC

Bristol, TN

Jun 2021-Nov2023

- **Supervision & Leadership:** Oversaw a software development team, providing guidance and mentorship to two direct reports and collaborating with cross-functional teams. Facilitated bi-weekly meetings to review project statuses, ensuring alignment on development and delivery timelines.
- **CI/CD Implementation:** Implemented Continuous Integration and Continuous Deployment (CI/CD) pipelines using Azure DevOps. Configured Azure pipelines to automate builds and deployments, enhancing the efficiency of code integration from Azure repositories to in-house servers.

- **Requirements Gathering & Project Management:** Utilized a Kanban board approach to gather and prioritize software improvement requests. Conducted regular consultations with requestors to clarify change specifications and organized bi-weekly reviews with upper management to assess feasibility and approve project requests.
- **Software Architecture & Documentation:** Acted as a software architect, documenting system architecture using UML and Visual Paradigm. Created detailed user interface designs and workflows with Figma and Adobe XD to enhance user experience through structured presentations, fostering stakeholder buy-in.
- **Full-Stack Development:** Engaged in full-stack software development utilizing a tech stack that included .NET Framework, C# 6, Entity Framework, and SQL Server. Developed and maintained the SWAT (Sales, Inventory, and Data Collection) application, transitioning from a monolithic architecture to a more microservice, domain-driven design.
- **Database Management:** Designed and optimized SQL databases, creating tables, views, and stored procedures for data management. Employed best practices in performance profiling and normalization through Entity Relationship Diagrams (ERD) to ensure data integrity and efficiency.
- **Modernization of Systems:** Led the development of a sales module that transformed a multi-day manual auction process into an automated system, reducing auction creation time from several days to a few hours. Enhanced communication between sales and shipping departments, resulting in improved visibility of inventory and streamlined operations.
- **Technical Proficiency:** Demonstrated expertise in C# for web service development, employing design patterns and principles such as dependency injection, repository patterns, and LINQ for data manipulation. Contributed to front-end development using Vue 2 & 3, ensuring integration with the back-end services for seamless user experiences.

Major Accomplishments

- Successfully replaced a cumbersome auction creation process with an automated system, significantly improving sales efficiency and communication among teams.
- Enhanced data processing capabilities through the implementation of organizational frameworks and coding standards, fostering collaboration and reducing errors.

Software Architect

FlexTech Solution LLC

Bristol, TN

Jun 2018-Nov2021

- **Enhanced and maintained the SWAT application**—a vital software tool for managing sales, inventory, and shop floor data within FlexTech's reverse logistics operations, which includes refurbishing and reselling client returns and buybacks.
- **Designed and documented software processes** using UML in Visual Paradigm; developed detailed UML activity diagrams, data flow diagrams, entity relationship diagrams (ERDs), and business process maps to facilitate efficient development workflows and stakeholder communication.

- **Led architecture review and code quality assurance** at the end of each sprint, ensuring compliance with company coding standards and integrating new frameworks and components into the existing architecture.
- **Developed UI designs** utilizing Figma and Adobe XD, delivering presentations to upper management and request owners to gather feedback and facilitate discussions on proposed changes.
- **Migrated functionality from a monolithic architecture to micro-services**, adopting domain-driven design to improve maintainability and enable continuous deployment, thereby reducing business disruption from frequent deployments.
- **Strengthened data management capabilities** by creating an advanced inventory management system that replaced a spreadsheet-based solution, improving accuracy and accessibility for on-hand quantities.
- **Implemented a data export utility** using OpenXML, enabling users to export query results to Excel spreadsheets, enhancing data handling and reporting capabilities.
- **Transitioned to an OAuth authentication system**, integrating Active Directory authentication to streamline user management across multiple applications, enhancing security and scalability.
- **Developed applications using the .NET stack** (C#, Entity Framework, Microsoft SQL Server) and modern JavaScript frameworks (Vue 2 & 3) while employing patterns like Dependency Injection, Repository, and Domain-Driven Design for systematic project architecture.
- **Utilized Azure DevOps for source control and CI/CD pipelines**, ensuring efficient project management and collaborative development across distributed teams.
- **Lead, mentored and facilitated** backlog grooming, sprint planning, sprint set-up, and sprint retrospectives.

Senior Consultant

GCI Federal

Lebanon, VA

Jul 2012-Jun 2018

- Created high traffic, high availability, responsive websites in C#, JavaScript, and CSS for Centers for Medicare and Medicaid Services.
- Part of performance improvement team responsible for diagnosing and correcting design and coding flaws. On average, improved performance of sites by 25%.
- Part of team that supervised adoption of unit testing for .NET projects.
- Utilized aria, HTML and CSS to create websites that met Web Content Accessibility Guidelines.

Systems Analyst

KVAT Food Stores

Abingdon, VA

Feb 2011-Jul 2012

- Developed applications using .NET stack (C#, JavaScript, SQL Server) to enhance customers shopping experience.
- Installed Subversion source control repository for .NET code base.

Consultant

CGI Federal

Lebanon, VA

Jun 2010-Feb 2011

- Developed web applications using C#, JavaScript, CSS, HTML to create responsive, high traffic, high availability for the Centers for Medicare and Medicaid Services.

Lead Developer

Touchstone Wireless Bristol, TN Jan 2009-Jun 2010

- Lead a team of up to 5 developers developing shop floor applications for the management of cell phone repairs.
- Using Visual Basic, SQL Server created applications to facilitate automated data exchange, and shop floor data collection applications.

SharePoint Developer

Barrette Bulls Gap, TN Aug 2007-Jan 2009

- Administered and developed custom applications for SharePoint in C#.

Solution Manager

Tinex Solutions Abingdon, VA Aug 2005-Jan 2007

- Managed small team of developers creating custom C# applications for customers.

Senior Programmer

Denso Manufacturing Maryville, TN Aug 2004-Aug 2005

- Developed shop floor data collection applications in VB.NET and RPG that forwarded data collected to ERP systems based on IBM ISeries.

Senior Programmer

Lear Corporation Duncan, SC Feb 2000-Aug 2004

- Developed shop floor data collection applications in VB.NET and RPG that forwarded data collected to ERP systems based on IBM ISeries.

Education

Bachelor of Computer Science East Tennessee State University