**TYLER MAGINNIS – Lead Software Developer**

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**OBJECTIVE**

Passionate and experienced Lead Software Developer with 14 years of experience designing, developing, and deploying modern web applications in Agile environments. Proficient in TypeScript, JavaScript, Node, and C#. Experienced in building single page applications (SPA), progressive web apps (PWA), and Design Systems. Adept at collaborating with cross-functional teams to deliver impactful solutions and mentor team members.

**KEY SKILLS**

**GenAI Agentic Development**  
 Utilizing LangChain and other AI orchestration tools to optimize project efficiencies, semi-automating development and debugging.  
**Javascript Development**  
 Node.JS, TypeScript, React.JS, Redux, Vue.js, AngularJS, JavaScript, jQuery  
**.NET Development**  
 .NET Framework, .NET Core, .Net Standard, .Net 6/7, C#, F#, VisualBasic, PowerShell, ASP.NET, MVC 3/4/5/6, Web API, Maui LINQ, Entity Framework, ADO.NET, HTML, CSS, JavaScript, Angular, React, Vue.JS, Blazor, Microservices architecture, design patterns, WinForms, WPF, RESTful Webservices  
**Relational DataBase Management Systems (RDBMS)**  
 T-SQL/PostgreSQL: database design, query optimization, stored procedures, triggers, performance tuning  
**NoSql**  
 MongoDB  
**Azure Technologies**  
 Azure App Services, Azure Functions, Azure Logic Apps, Azure DevOps, Azure SQL Database, Cosmos DB, Blob Storage, Azure Active Directory, Azure Kubernetes Service (AKS), ARM templates, Bicep, Azure Monitor, Application Insights, Log Analytics  
**Kubernetes**  
 Kubernetes clusters, Helm, Docker, Kubernetes networking, storage, security  
**Agile Methodologies**  
 Agile software development, Scrum framework, cross-functional teams, JIRA, Azure Boards  
**Architectural Software Design Patterns**  
 *Domain-Driven Design – Tackling Complexity in the Heart of Software*  
 *Eric Evans & Martin Fowler (2003)*  
 Microservices, Message Queues, Broker Patterns, Orchestration Patterns, DDD, SOLID / DRY  
**Additional Skills**  
 Problem-Solving, Debugging, Communication, Teamwork, RESTful API design, Git, Source Control Management, SDLC, DevOps, Code Reviews, Pair Programming, End-to-End Product Development, Healthcare Domain Knowledge, Sprint Planning, Backlog Grooming, Unit Tests, Visual Studio

**EXPERIENCE**

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| *Contract Software Engineer*  *Remote* | 40 hours / week |
| **Perfect Your Customer, LLC.** | **June 2023 - Present** |

* Developed and deployed a cross-platform mobile application and administration web app for the plastic surgery industry using ReactJS/Redux, Azure Kubernetes Service (AKS), and a rewards program, ensuring a seamless user experience across platforms.
* Designed and implemented backend services with .NET 6 and ASP.NET MVC, utilizing microservices architecture for high performance and scalability.
* Utilized Azure DevOps for CI/CD, automating deployments and ensuring smooth integration and delivery processes.
* Leveraged T-SQL and PostgreSQL for database design, query optimization, and performance tuning, enhancing data management efficiency.
* Managed Kubernetes clusters, using Helm and Docker for scalable, resilient application deployment, and monitored performance with Azure Monitor and Application Insights.
* Utilized GenAI tool-chaining to optimize release cycle, reducing release cycle time from 6 hours to 15 minutes.

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| *Contract Software Developer*  *Remote* | 40 hours / week |
| **Humana** | **October 2022– June 2023** |

* Collaborated on a team maintaining and enhancing the Producer Services application, ensuring its alignment with healthcare industry standards and business objectives.
* Ensured seamless operation and scalability of critical services through effective microservices architecture, contributing to high performance and reliability.
* Implemented enhancements and updates to improve application performance and user experience, directly impacting patient access and satisfaction.
* Utilized Agile methodologies to iteratively deliver features, aligning with business goals and improving software development processes.
* Conducted troubleshooting and resolved issues promptly, maintaining application reliability and uptime, essential for delivering healthcare solutions.
* Implemented Docker containers for microservices deployment, enhancing scalability and portability of healthcare applications, supporting effective service delivery.
* Led code reviews and mentored junior team members, fostering technical excellence and knowledge sharing within the team.

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| *Contract Software Architect* *Remote* | 40 hours / week |
| **American Barcode & RFID** | **January 2022 – October 2022** |

* Led as a solution architect on a barcoding and supply chain program for a major client, leveraging .NET 6, ASP.NET MVC, and microservices architecture to streamline operations and improve efficiency, with a focus on scalable solutions.
* Implemented XP disciplines within the team.
* Developed and deployed a ReactJS/Redux-based cross-platform mobile application for the program, enhancing user interaction and operational efficiency across devices.
* Implemented Kubernetes on AWS for container orchestration, improving the scalability and reliability of applications, in alignment with the need for resilient healthcare solutions.
* Utilized Azure DevOps for CI/CD pipelines, automating deployment processes to ensure efficient integration and delivery, supporting continuous improvement and innovation.
* Established and led the code review process, promoting technical excellence and collaboration within the team to deliver high-quality software solutions.

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| *Contract Software Architect*  *Remote* | 40 hours / week |
| **Raytheon Technologies** | **November 2021– January 2022** |

* Developed cross-platform Outlook web app and desktop app for regulatory compliance using Angular and .NET 6, ensuring seamless user experience across devices.
* Utilized Azure Kubernetes Service (AKS) for containerized deployment, enhancing scalability and performance of the applications.
* Implemented Azure SQL Database and Cosmos DB for data storage and management, ensuring compliance with regulatory standards.
* Followed Agile methodologies, collaborating with cross-functional teams to deliver iterative improvements and meet project milestones using Azure Boards.

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| *Full-Time Software Developer*  *Remote* | 40 hours / week |
| **American Queen Voyages** | **November 2021– January 2022** |

* Developed Yield Management tools using Terraform for infrastructure automation and orchestration, optimizing resource allocation and pricing strategies to support efficient healthcare operations.
* Designed and implemented Data Warehousing solutions leveraging Azure SQL Database and Azure Data Factory, enabling efficient data integration and reporting for improved healthcare data management.
* Utilized .NET 6 and ASP.NET MVC for backend development, ensuring robust and scalable applications, including a ReactJS/Redux-based cross-platform mobile app for enhanced user experience and functionality.
* Implemented Kubernetes clusters with Helm and Docker, enhancing application deployment, scalability, and security in a cloud-native environment, supporting resilient and scalable healthcare solutions.

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| *Contract Software Developer*  *Remote* | 40 hours / week |
| **Homecare Homebase** | **March 2019 – August 2019** |

* Led performance optimization efforts for scalable database solutions, focusing on MS SQL Databases and Azure SQL Database, utilizing T-SQL and advanced query optimization techniques to enhance database performance and response times.
* Implemented advanced indexing strategies and performance tuning, demonstrating technical expertise in database design and optimization to ensure high-quality data management.
* Utilized Azure Monitor and Application Insights for proactive monitoring and diagnosing of database performance issues, ensuring system reliability and efficiency.
* Collaborated effectively with cross-functional teams, demonstrating strong communication and teamwork skills to drive successful project outcomes.
* Applied critical thinking and problem-solving skills to identify and address complex issues, contributing to continuous improvement and technical excellence.
* Provided technical mentorship and guidance, fostering a collaborative environment and promoting best practices in software development and database management.

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| *Contract Software Developer* | 40 hours / week |
| **TP ICAP** | **February 2018 – October 2018** |

* Developed and maintained a commodities brokerage trade-booking platform based on VB.Net and C#, utilizing WinForms for the frontend.
* Implemented robust backend functionalities using .NET Framework, ensuring efficient trade processing and data management.
* Designed and optimized T-SQL queries for the platform's SQL Server database, enhancing performance and scalability.
* Collaborated in Agile Scrum teams, utilizing JIRA for project management and ensuring timely delivery of features and enhancements.

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| *Contract Software Developer* | 40 hours / week |
| **Hydromax USA** | **January 2018 – February 2018** |

* Developed and implemented a series of workflow APIs to support public infrastructure mapping and geo-information systems projects using .NET Core and ASP.NET Web API.
* Utilized T-SQL for database design and PostgreSQL for geo-information data storage, optimizing query performance and ensuring data integrity.
* Leveraged Azure SQL Database and Blob Storage for storing and managing geo-information data securely and efficiently.
* Followed Agile methodologies, collaborating with cross-functional teams and utilizing JIRA for project management to ensure timely delivery and alignment with stakeholder requirements.

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| *Contract Software Developer* | 40 hours / week |
| **Republic Bank** | **October 2017 – February 2018** |

* Developed and maintained a tax-refund loan producer system, ensuring compliance with regulatory requirements and deadlines using .NET Framework and ASP.NET MVC.
* Implemented T-SQL for database design and optimization, enhancing system performance and data retrieval efficiency.
* Utilized Azure SQL Database for secure and scalable data storage, ensuring robust data management capabilities.
* Collaborated within Agile frameworks, including Scrum, to deliver iterative software solutions and meet project milestones effectively.

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| *Contract Software Developer* | 40 hours / week |
| **Peter Stone Jewelry** | **June 2017 – October 2017** |

* Managed and maintained an ERP (Enterprise Resource Planning) system, leveraging .NET Framework and ASP.NET MVC to streamline business operations and enhance efficiency.
* Implemented T-SQL and PostgreSQL for database design, query optimization, and performance tuning within the ERP system.
* Utilized Azure SQL Database and Azure App Services to support the ERP system's backend infrastructure, ensuring scalability and reliability.
* Implemented Agile methodologies, participated in Scrum ceremonies, and collaborated with cross-functional teams using JIRA for project management.

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| *Contract Software Developer* | 40 hours / week |
| **Cascade Financial Technology Corporation** | **March 2017 – May 2017** |

* Developed and maintained a whitelabel payment card producer system, ensuring secure and efficient transaction processing using .NET Framework, C#, ASP.NET MVC, and SQL Server.
* Implemented microservices architecture to enhance modularity and scalability of the payment processing system.
* Utilized T-SQL for database design, query optimization, and stored procedures, ensuring high performance and reliability.
* Collaborated within Agile teams, utilizing Scrum framework and JIRA for effective project management and cross-functional collaboration.

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| *Contract Software Developer* | 40 hours / week |
| **House Advantage** | **September 2016 – May 2017** |

* Developed and maintained a Casino Management System (CMS) to optimize operations and enhance customer experience, utilizing .NET Framework, C#, ASP.NET MVC, and SQL Server.
* Implemented scalable database solutions with T-SQL, focusing on query optimization and performance tuning for efficient data management.
* Utilized Azure SQL Database for cloud-based data storage and management, ensuring secure and reliable data handling.
* Applied Agile methodologies in project management, collaborating with cross-functional teams to deliver timely and high-quality software solutions.

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| *Contract Software Developer* | 40 hours / week |
| **Computer Operations Research Enterprise** | **February 2016 – September 2016** |

* Implemented OpenCV (Computer Vision) with Tesseract OCR to automate Anti-Money Laundering (AML) functions, enhancing detection and compliance processes.
* Developed .NET Framework applications for internal tools and automation scripts, improving operational efficiency.
* Utilized T-SQL for database design and optimization, enhancing data retrieval performance.
* Integrated Azure SQL Database for secure and scalable data storage solutions.

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| *Contract Software Developer* | 40 hours / week |
| **Gordon-Darby** | **January 2014 – January 2015** |

* Developed and maintained a Hunting License Sales System for the Texas Department of Parks and Wildlife, ensuring compliance with regulatory requirements and enhancing user experience for hunters.
* Implemented a call center application in ASP.NET Classic, providing efficient customer service solutions.
* Utilized .NET Framework and ASP.NET for application development, ensuring robustness and scalability.
* Leveraged T-SQL for database design, query optimization, and stored procedures, optimizing performance for high-volume transactions.

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| *Contract Software Developer* | 40 hours / week |
| **Cinder** | **January 2014 – January 2014** |

* Provided specialized point-of-sale consulting services, advising clients on optimizing retail operations and enhancing customer experience.
* Utilized .NET Framework and ASP.NET MVC to develop and customize point-of-sale solutions tailored to client needs.
* Implemented T-SQL for database design and optimization, ensuring efficient data management and retrieval.
* Collaborated within Agile teams using Scrum methodology, leveraging JIRA for project management and Azure Boards for task tracking.

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| *Contract Software Developer* | 40 hours / week |
| **Louisville Custom Technologies** | **October 2009 - December 2013** |

* Provided consulting services to clients in the financial and healthcare sectors, specializing in IaaS and SaaS solutions.
* Advised clients on cloud infrastructure strategies, including the selection and implementation of IaaS platforms such as AWS, Azure, or Google Cloud.
* Designed and implemented SaaS applications tailored to meet regulatory compliance and operational efficiency requirements in healthcare and financial industries.
* Collaborated with cross-functional teams to assess client needs, develop technical solutions, and deliver customized IaaS and SaaS solutions.
* Conducted system assessments and audits to ensure security, scalability, and performance of cloud-based solutions.
* Delivered training and workshops to client teams on best practices for leveraging IaaS and SaaS technologies to optimize business operations.