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American Fork, Utah

SKILLS

ASP.NET / .NET Framework • C# • Azure (Cloud Services) • Entity Framework Core (EF Core) • Azure Storage • Azure Functions • SQL • Blazor • MVC Architecture • Windows Presentation Foundation (WPF) • Angular • JavaScript • Bootstrap • Python • C++ • Git • Agile Methodologies

EXPERIENCE

NOVEMBER 2024 – PRESENT

1800Contacts/Seekwell - Full-Stack Software Engineer | Call Center Team

Multi-Billion dollar leading online retailer for contact lenses and vision care products

- **Full-Stack Engineering:**
Part of a small team responsible for over 20 in-house applications, contributing to both backend services and frontend interfaces.
- **Greenfield Development:**
Played a key role in planning and executing a new greenfield application for Call Center Agents to manage their benefits, encompassing API design, database architecture, and frontend development.
- **Testing & Quality Assurance:**
Implemented robust unit and integration testing frameworks using MSTest and xUnit, achieving comprehensive code coverage and significantly reducing production issues.
- **Database Optimization:**
Spearheaded an overhaul of database practices that eliminated external dependencies and optimized performance by aligning with modern best practices.
- **Cross-Functional Collaboration:**
Collaborated closely with product managers, QA teams, and stakeholders—creating flowcharts, planning ticket workflows, and defining application logic—to ensure seamless execution of feature requirements.
- **Observability & Monitoring:**
Participated in the migration and integration of Application Insights to enhance application observability, enabling proactive monitoring, real-time diagnostics, and improved performance tracking across services.

SEPT 2021 - OCTOBER 2024

BROWSIUM, INC - Full-Stack Software Engineer | Sales Engineer

Browser management solutions for enterprise IT environments

- **Cloud Development:** Managed Browsium's cloud service for 99.9% uptime on Azure. Incorporated azure functions and hangfire background tasks triggers. Met with other departments, gathering feature requirements and implemented them.
- **Full-stack Development:** Worked on various full-stack projects, including Dashboard Features, and Test Automation, utilizing .NET, C#, and relevant MVC frameworks.
- **DevOps and CI/CD:** Collaborated on the development and maintenance of CI/CD pipelines using Azure DevOps and GitHub, ensuring smooth deployment and testing processes.
- **Testing and Quality Assurance:** Developed and updated over 250 unit tests using MSTestV2, increasing code coverage from 50% to 70% and ensuring high-quality, maintainable code. Implemented best practices for automated testing, which reduced bug rates in production by 15% and facilitated smoother code reviews.
- **Database and Data Management:** Designed and implemented database schema updates using SQL Server and Microsoft SQL Server Management Studio, enhancing data integrity and improving query performance. Developed comprehensive data models and RESTful APIs for efficient CRUD operations using EF Core and Web API 2. Seamlessly integrated SQL databases with Angular front-end applications.
- **Browser Extension Development:** Migrated cross-platform browser extensions to MV3. Developed and updated browser extensions for Chrome, Edge, Firefox and Safari, ensuring compatibility and functionality.
- **Emerging Technologies:** Leveraged OpenAI and ChatGPT to develop internal tools that generated 1,200 accurate, JSON-formatted definitions. These tools automated the definition creation process, reducing manual effort by over 50%. This innovation enhanced product integration and accelerated development cycles.

EDUCATION

Brigham Young University, Idaho - Bachelors, Computer Science