

Michael Makhool

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C#, Progress ABL, SQL, Go, Python, HTML, CSS

Frameworks: Node.js, Nest.js, .NET, Express, Angular, AngularJS

Developer Tools: Git, RESTful API, Docker, CircleCI, AWS (S3, SQS, Lambda), Visual Studio 2022, Visual Studio Code, HAL(in-house build/deploy), PDSOE, Telerik, MongoDB Compass, React, Vue, Tailwinds

EXPERIENCE

IT Developer | *Full Stack*

Nov. 2023 – present

Coe Press Equipment

Sterling Heights, MI

- Leading the transformation of legacy applications by leveraging a full stack of technologies, including JavaScript (Node.js, React), C# (.NET), and MongoDB, to deliver modern, scalable, and customized solutions
- Establishing streamlined processes to drive the effective implementation of systems and procedures, fostering efficiency and clarity in project execution. Developed standardized workflows that enhanced collaboration and ensured a structured and organized approach to project delivery
- Document detailed business requirements, functional specifications, and use cases to facilitate the design and development of effective solutions
- Review and refactor code, and propose database schema changes as needed
- Perform thorough testing of applications to validate functionality and ensure they meet business requirements

Software Engineer | *Full Stack*

Nov. 2019 – Aug. 2023

Rocket Mortgage

Detroit, MI

- Involved in multiple development efforts utilizing a series of programming languages and infrastructures, including C#, .NET, JavaScript, TypeScript, Angular, Node.js, MS-SQL Server 2017, and RESTful API while implementing agile methodologies
- Modified existing software to fix errors, improve the overall quality and functionality, and update integrations with other software
- Utilized a suite of development tools and IDEs, including CircleCI, Git, Progress Developer Studio OpenEdge, and Visual Studio Code throughout various development processes
- Developed and/or performed software automated testing procedures, solutions and frameworks to ensure software functions as needed
- Translated business requirements and specifications into usable and scalable software
- Process and understand capabilities and limitations of data outputs from the software

PROJECTS

CoeClock | *C#, .NET MAUI, MongoDB, Git*

2023 – 2024

- Developed a modern and scalable dashboard and time-clock application using the .NET 8 framework, effectively replacing the existing legacy system
- Utilized the multi-platform capabilities of .NET MAUI to seamlessly develop cross-platform applications, ensuring a consistent and unified user experience across various devices and operating systems
- Created the dashboard with scalability in mind, allowing for future services to be implemented
- Established a new MongoDB database to efficiently store and manage records previously housed in a SQL database
- Seamlessly integrated the MongoDB database with the application, optimizing authentication, data retrieval, and enhancing overall system performance

Support Toolbox | *TypeScript, Angular, Node.js, AWS (S3, SQS, Lambda), CircleCI, Git*

2023

- Developed a full-stack application to support Tier 1 support tickets, reducing the load on Tier 2 and Tier 3 teams by creating tools to manage ticket intake at Tier 1 level
- Adapted and learned new processes, including Terraform, Circle configs, bearer token authorization, and API connectors, to create the Toolbox UI and Backend for Frontend
- Acquired proficiency in Angular, NodeJS, and TypeScript to align with the syntax of the existing Admin Shell
- Led the development of the back end service and controller for a tool resolving cross-platform mismatch errors
- Overcame challenges in SQS Queue Services development by conducting extensive research through online sources and AWS documentation, as there were limited in-house repositories utilizing SQS