Richard McSorley

Full-Stack Software Engineer with 8+ years of experience in crafting exclusive, high-performance applications for the Retail and Health sectors. My calendar is open for a limited time to discuss how my skill set can bring unparalleled value to your team. Schedule a meeting now to secure a time slot.

# Contact Information

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📅 Schedule a meeting: <https://calendly.com/richardmcsorley/resume>

# Experience & Qualifications

* Pioneered innovative software solutions, evidenced by five patents in retail and supply chain technology.
* Led and mentored teams (2-4 members) to successfully innovate and revamp critical projects, enhancing company offerings in a competitive market.
* Expertise in Typescript, Angular, ReactJS, and NodeJS, enabling the creation of robust, market-leading applications.

# Technical Skills

* 👩‍💻 Programming: Mastery of TypeScript, Python, HTML5, CSS3, SASS, ensuring top-tier web development.
* 🔧 Frameworks: Advanced utilization of Angular 16, React 18, NodeJS, Bootstrap 4, enabling state-of-the-art applications.
* 🤖 AI: Specialized knowledge of LLMs, OpenAI, Langchain, Huggingface Transformers. Providing a competitive edge in AI integration.
* ☁️ Cloud: Extensive knowledge with AWS, Azure, GCP, Vercel, Render, delivering scalable cloud solutions.
* 🔧 DevOps: Profficient in Docker, Kubernetes, GitLab, GitHub, Jenkins, ensuring seamless development pipelines.
* 📊 Databases: Expert in SQL, MariaDB, PostgreSQL, NoSQL, MongoDB, guaranteeing robust data management.

# Work History

## Senior Software Engineer | Cigna - Beacon Hill - Contract

February 2022 - November 2023

* TypeScript-driven development of the MyCigna health insurance portal, leading the team to enhance performance and maintainability.
* Designed and optimized full-stack applications with Angular 16, TypeScript, and NodeJS, incorporating AWS Lambda for backend services.
* Fostered an inclusive user experience, ensuring A11y and WCAG 2.0 compliance with responsive design principles using Bootstrap 4 and SASS/CSS3.

## Full-Stack Software Engineer | SS&C - DST

October 2020 - December 2021

* Developed and deployed scalable full-stack applications in TypeScript, enhancing CI/CD pipeline efficiency with Angular 11, Cordova, and Ionic 4.
* Created TypeScript-based frameworks and reusable components, facilitating rapid development and integration with OAuth2, OIDC protocols, and Keycloak.
* Optimized CI/CD processes using Ansible/Bash scripts, significantly increasing team productivity and ensuring the reliability of application deployments.

## Software Engineer | Walmart Global Technology

January 2015 - October 2020

* Advanced Walmart’s full-stack development with TypeScript, integrating NodeJS APIs with React dashboards for real-time KPI tracking.
* Championed the use of TypeScript in the creation of mobile applications, leading to a seamless deployment across 4,000+ stores.
* Guided the cloud transition to Azure, employing CI/CD best practices to maintain a robust, cloud-native architecture for expansive retail operations.
* Reduced manual workload by over 50% through digital transformation and automation, coaching teams in React and Redux to support workflow optimization.

# Notable Projects

## Zip AI - Compression for LLMs

2023 - Present | [Link](https://zip.mcsorley.co)

* Innovated a generative AI-powered service that compresses voluminous text data. Crafted the backend using Python, Langchain, and Streamlit, hosted via Render.
* Achieved a dramatic cost reduction in API utilization by over 3,000%, leveraging the OpenAI's GPT-3.5-instruct model for efficient text processing.

## Pattern Cafe - AI pattern design platform

2023 - Present | [Link](https://pattern.cafe)

* Originated a groundbreaking platform for AI-driven pattern design, developed with a TypeScript-centric approach on both front and backend to ensure scalability and maintainability.
* Implemented robust CI/CD strategies to streamline the development lifecycle, resulting in a swift go-to-market that captured 2,000+ users rapidly.

## MyCigna & Evernorth - Registration, MFA login, and profile settings

February 2022 - November 2023 | [Link](https://my.cigna.com/web/public/consumer/registration/intro)

* MyCigna is a platform for Cigna members to manage their health insurance. The application is developed using Typescript and Angular 16, with the backend implemented using NodeJS, and AWS Lambda.
* The application is used by over 20 million members. The application is used to register for health insurance, view EOBs, and manage their health insurance and profile settings.
* Speed up user registration by 25%, implementing a new registration flow and onboarding experience.

## Arkansas Blue Cross and Blue Shield - Registration, login, EOBs, profile settings.

October 2020 - December 2021 | [Link](https://blueprintportal.com)

* Developed a member-centric insurance portal utilizing Ionic, Angular, and Cordova with TypeScript, integrated with a NodeJS backend to facilitate seamless insurance management.
* Established and maintained CI/CD workflows that enabled frequent, reliable updates, improving policyholder engagement with their insurance plans.

## Walmart Global Technology - Downstock - Inventory Management

January 2016 - October 2020 | [Link](https://www.wsj.com/articles/walmart-is-rolling-out-the-robots-11554782460)

* Directed the creation of an inventory management application with a focus on TypeScript development for both the Angular/Cordova frontend and the NodeJS backend.
* Championed CI/CD processes that significantly improved the operational efficiency across 500+ stores, endorsed for user-friendliness and zero-training deployment.

## Walton - App for Walmart associates

January 2015 - October 2016 | [Link](https://www.buzzfeednews.com/article/coralewis/walmart-worker-built-the-company-an-app-in-his-spare-time)

* Conceptualized and executed a comprehensive utility app for Walmart associates, employing TypeScript across Ionic, Angular, and Cordova platforms, with a NodeJS/Express server.
* Deployed a CI/CD pipeline that facilitated daily updates to over 10,000 associates, streamlining product searches and inventory management.

# Patents

## Tracking vehicle mileage | USPTO #10627250B2

## Delivery vehicle security | USPTO #20190236539A1

## Verifying products | USPTO #20190266612A1

## Verification and Visualization of Subcomponents in a Product | USPTO #20190295081A1

## Tracking an item in a distributed environment | USPTO #20190303843A1