Riley Chometa

rileychometa@outlook.com | chometa.me | github.com/Riley-Chometa

Skills

Languages: TypeScript, JavaScript, Python, Java, C#
Frameworks: Next.js, React, Angular, ASP.Net Core
Tools: Docker, PostgreSQL, SQLite, MongoDB, Neo4j

Experience

Volunteer Developer, Friends of the Saskatoon Afforestation Area Inc. (FSAAI) – Remote   Jul 2024 – Present
- Resolved critical issues in their ASP.Net Core REST API and CMS through troubleshooting the system
- Eliminated production errors through the implementation of GitHub Actions for automated testing and linting

Student Research Assistant, Digital Integration Centre of Excellence (DICE) – Remote   Jun 2021 – Jan 2025
- Improved precision agriculture education, measured by the launch of C2R2 micro-credential courses on surgemicrocredentials.com, by developing intuitive machine learning course content
- Developed safety inspection tracking system for both frontend UI and backend REST API of risk evaluation software using Vue.js, Symfony, Docker, and Neo4j for Enviro Integration Strategies
- Increased therapy access, by collaborating on a Next.js MVP for Savyn Tech, resulting in a launched app
- Promoted internal knowledge sharing by creating in-depth technical guides on SQL vs NoSQL, Neo4j, and Docker

Freelance Developer, Friends of the Saskatoon Afforestation Area Inc. – Remote   Jun 2021 – Feb 2022
- Designed, developed, and tested a mobile-focused Progressive Web App using Agile in a 4-person team
- Built an Angular app using Google Maps API for location-based informational pins
- Improved the ASP.Net Core content management system (CMS) and REST API by implementing new features
- Achieved scalability through implementation of microservice architecture using Docker for containerization
- Improved park visitor engagement, as measured by in app survey results, by deploying to Azure Cloud using Docker

Projects

Realm of Nightmares - C#, Unity, GitHub   unclepyroh.itch.io/realm-of-nightmares
- Led a team of 7 to develop an engaging procedurally generated Unity game
- Achieved a perfect 100% grade and selected as a teaching example to show future classes of an achievable standard
- Managed GitHub repo and guided team members on Git usage and software development best practices

Prairie Forest Guide - C#, Xamarin, ASP.Net Core 3.1 MVC   github.com/Riley-Chometa/Prairie-Forest-Guide
- Developed a location-based mobile app using the Google Maps API through collaborative teamwork
- Created a backend REST API and CMS using ASP.Net Core 3.1 to allow the client to manage their applications data
- Ensured reliable code, as measured by a lack of production errors, through implementation of Agile development processes and Test Driven Development

Long Covid Portal - TypeScript, React, Express, PostgreSQL, Docker
- Built a web portal for study participants to view their metrics through collaborating in an 8-person Agile team
- Ensured a robust code base through implementing branch protection, automated testing, and linting
- Achieved 100% deployment and development environment consistency through containerization
- Implemented CI/CD pipeline using GitHub Actions to a self hosted server for testing and pre-release deployment

Education

University of Saskatchewan – B.Sc. in Computer Science   2024