Riley Chometa

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Skills

Languages: Java, C#, Python, Go, PHP, TypeScript, JavaScript, HTML, CSS
Libraries/Frameworks: Symfony, ASP.Net Core, Next.js, React, Angular
Testing: JUnit, XUnit, Jest, Selenium, Appium
DevOps: Docker, Linux, GitHub Actions, Azure
Databases: PostgreSQL, SQLite, MongoDB, Neo4j

Experience

Software Engineer (Volunteer, On-Call)   Jul 2024 – Present
Friends of the Saskatoon Afforestation Area Inc. (FSAAI) | *C#, TypeScript, Angular, ASP.Net, Docker*   *Remote, Canada*
- Troubleshooted and resolved critical issues in the REST API and CMS, ensuring system reliability and uptime
- Implemented automated testing using GitHub Actions, resulting in improved system stability and reduced errors

Software Engineer   Jun 2021 – Jan 2025
Saskatchewan Polytechnic - DICE | *TypeScript, PHP, Next.js, Symfony, Neo4j, MongoDB, Docker*   *Remote, Canada*
- Drove a 62% acceleration in UI prototyping by refactoring React components using atomic design principles
- Designed, developed, and tested a reliable safety inspection tracking system in TypeScript and PHP
- Mentored a new team member on project tasks, accelerating their onboarding and contribution
- Architected technical guides on Neo4j, MongoDB, and Docker, covering key concepts, and a SQL/NoSQL database comparative analysis, each used by over 40 engineers, resulting in improved developer efficiency
- Developed machine learning course content for C2R2 precision agriculture courses (surgemicrocredentials.com) and data management course content (emilicanada.com/data-initiative/data-literacy/)

Software Engineer (Freelance)   Jun 2021 – Feb 2022
Friends of the Saskatoon Afforestation Area Inc. (FSAAI) | *C#, ASP.Net, Docker, TypeScript, Angular*   *Remote, Canada*
- Designed, developed, and tested a mobile-focused Progressive Web App in a 4-person team with Google Maps API
- Architected the tracking of a users distance between pins, enabling the core functionality of the app
- Achieved 100% deployment and development environment consistency through containerization
- Deployed containerized frontend, backend, and database to Azure

Projects

Long Covid Portal | *TypeScript, React, Express, PostgreSQL, Docker*
- Collaborated in a cross-functional team of 8, assisting with learning new technologies and troubleshooting
- Took over leadership of a struggling team and successfully met original deadlines with a complete project
- Reduced linting and production errors by 74%, by implementing branch protection, automated testing, and linting
- Implemented CI/CD pipeline using GitHub Actions to a self hosted server for testing and pre-release deployment

Prairie Forest Guide | *C#, ASP.Net Core, SQLite*
- Developed a backend REST API and headless CMS using ASP.Net Core, allowing the client to manage application data
- Reduced production errors by 100% through implementation of extensive automated unit and integration tests
- Created technical documentation for the backend REST API for future developers to use

Home-Lab Server | *Ubuntu, QEMU, VirtualBox, Docker*
- Designed, built, and managed a personal home-lab server running Ubuntu Linux, incorporating virtual machines and Docker containers to host services including development servers, a GitHub Actions runner, and a reverse proxy

Education

University of Saskatchewan – B.Sc. in Computer Science   Jun 2024
Saskatchewan Polytechnic – Diploma in Computer Systems Technology   Jun 2021