

Stuart Molnar

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github.com/stuartmolnar | linkedin.com/in/stuart-molnar | stuartmolnar.com

Technical Skills

- **Languages:** JavaScript, HTML, CSS, Python, SQL, Bash, Java
- **Frameworks:** TailwindCSS, MaterialUI, React, NextJS, NodeJS, ExpressJS, Flask, FastAPI,
- **Tools:** Microservices, REST, Docker, Kubernetes, AWS, S3, DigitalOcean, Azure, Azure Containers, Jira, CI/CD, Kafka, Ansible, Terraform, PostgreSQL, Pandas, Puppeteer, OpenAI, Pinecone

Professional Experiences and Projects

Front End Developer (Contract)

Jan 2023 - Present

Rio Minerals Ltd. | riominerals.com

Western Star Resources | westernstarresources.com

Kevin Ye Fitness | kevin-ye.vercel.app

- Developing visually appealing and modern websites for clients and businesses, adhering to brand guidelines and utilizing HTML, CSS, JavaScript, React JS, and TailwindCSS
- Collaborating with UI/UX designers to turn designs into functional, responsive web interfaces, prioritizing key elements for seamless user experience
- Coordinating with clients to define requirements and obtain approvals

Full Stack Developer (Contract)

Feb 2023

U.S. Department of Health & Human Services | github.com/StuartMolnar/usajobs-cors-proxy-server

- Developed responsive interface using HTML, CSS, JavaScript, and TailwindCSS
- Enhanced job search using filtering, validation, and USAJOBS API integration
- Created CORS-proxy server with Python and Flask for USAJOBS API queries
- Containerized deployment using Docker on Linux VM and streamlined setup with initialization script and YAML configuration

Geological Technician

Jun 2017

Rio Minerals Ltd.

- Developed a Python tool to automate the merging of field data into a master sheet
- Reduced data management time to just a couple minutes daily, down from almost an hour

Personal Projects

League of Legends NLP Chat Assistant

github.com/StuartMolnar/league-nlp-chat

- Leveraged ChatGPT's capabilities to address the need for real-time, tailored League of Legends advice
- Aimed to create an app that provides relevant, up-to-date context to ChatGPT, allowing precise in-game strategy guidance
- Integrated GPT-3.5 with updated game data using Riot API, Node.js for web crawling, and a scalable microservices architecture (Apache Kafka, FastAPI, Docker)
- Successfully developed the backend logic, enabling ChatGPT to provide contextually relevant and current gaming advice, with plans for a React-based front-end

League to Valorant Rank Converter

<https://github.com/StuartMolnar/ranked-converter> | [demo site](#)

- Developed a web application to compare rank percentiles between 'League of Legends' and 'Valorant', providing insights into varying skill levels across the games
- Utilized Next.js and Material UI to create an intuitive, user-friendly interface
- Leveraged web-scraping through Puppeteer to gather up-to-date ranked distributions and stored them using Supabase
- Containerized services using Docker and minimized resource usage costs with scheduled Azure Container Apps

Education

Diploma of Information Technology

Sep 2019 - Dec 2022

British Columbia Institute of Technology