JORDAN DUBRICK

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C, Java, SQL
Frameworks & Technologies: React.js, Next.js, Node.js, Express.js, Docker, Jenkins, Git, SpringBoot

EDUCATION

Wilfrid Laurier University   **Waterloo, ON**
Honours Bachelor of Science in Computer Science   *GPA: 3.9/4.0 | Graduate 2023*

PROFESSIONAL EXPERIENCE

Software Engineer Intern   **May 2022 - August 2022**
Broadridge Financial Solutions   *Toronto, ON*
- Designed and developed a web application using React, Node.js, Express.js and MySQL to migrate internal batch querying tools to AWS.
- Employed the use of TypeScript to ensure type safety and scalability for the application.
- Developed a REST API consisting of 10+ endpoints using Express.js.
- Containerized application with Docker and deployed to an ECS Cluster utilizing AWS Fargate technology via Jenkins pipelines.
- Architected and deployed infrastructure on AWS to host the new internal tool. Created the required infrastructure by developing 5+ Terraform modules that are now in use by the company.
- Programmed Chef cookbooks for the DevOps team that are currently in use to configure EC2 instances.
- The new migrated tool is used weekly by senior development teams during batch processing.

Software Engineer Intern   **May 2021 - August 2021**
Broadridge Financial Solutions   *Toronto, ON*
- Developed a web application utilizing Next.js, React, Springboot and MySQL to facilitate release management for the product team.
- Designed 10+ REST API endpoints using Springboot.
- New release management tool compacts all required data into one application, reducing the amount of time spent by the release team searching for required data.
- New calendar UI allows the management team to easily reference release dates, and enables the drag-and-drop changing of release dates.

PROJECTS

Modern Bank Application | *Next.js, React.js, JavaScript, Tailwind CSS* | *https://bank-application-five.vercel.app/*
- Single page Next.js web application using JavaScript that was designed around a conceptual bank.
- Application was styled with Tailwind CSS.

Mountain Rentals | *Next.js, React.js, TypeScript, Tailwind CSS* | *https://mountain-rentals.vercel.app/*
- Single page web application using TypeScript that was created for a conceptual car rental company, Mountain Rentals.
- Purpose of this project was to familiarize myself with layout design, Next.js, and hosting.

Stock Information Tool | *Next.js, React, Express.js, JavaScript, CSS/HTML*
- Next.js application that allows a user to enter ticker symbols and obtain historic stock information such as the open price, close price, and volume.
- Express.js API consisting of 5+ endpoints supports the frontend by supplying formatted data from an external API.
- Application is containerized and ran with Docker.
- Data is displayed in an interactive table and can be exported to .csv file type.

Portfolio Optimization | *Python, Pandas, NumPy, PyPortfolioOpt*
- Optimizes a portfolio in order to obtain the highest Sharpe ratio within a given volatility range that is set by the user.
- Displays the results of the optimized portfolio versus an equally-weighted portfolio consisting of the same securities.
- Pandas dataframes were used to manipulate and store data.
- PyPortfolioOpt implemented the efficient frontier algorithm to optimize risk to return.