

Brad Park

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SKILLS

Programming Language: Java, JavaScript, TypeScript, C#, Python, Kotlin, SQL, C, C++, Bash, HTML, CSS

Frameworks / Tools: Node.js, React, Redux, Express.js, MongoDB, Oracle SQL, MS SQL Server, .NET, Elasticsearch, Kibana, Docker, Azure, jQuery, REST API, Git

EXPERIENCE

Oracle - Netsuite | SOFTWARE ENGINEER INTERN, Waterloo, Ontario

JAN 2021 - APR 2021

Java, Kotlin, JavaScript, TypeScript, SQL, Oracle SQL, Elasticsearch, Kibana

- Prevented 30% of performance issues before escalation by spearheading an anomaly-detection based email automation system that notifies users of abnormal duration of requests detected in a time series model
- Improved maintainability and evolvability of software architecture, through refactoring and modularizing 7k+ lines of JavaScript code emitted from Java classes into static TypeScript files
- Developed scripts to migrate millions of rows of data in Oracle SQL to hotfix customer facing software issues

ListAcross | BACKEND ENGINEER INTERN, Brooklyn, New York

MAY 2020 - AUG 2020

JavaScript, Node.js, Express.js, MongoDB, Puppeteer, RabbitMQ, Docker, Java

- Designed and built 12+ RESTful APIs for user inventory management and secure OAuth authentication
- Implemented an automation system for uploading customer inventory on Facebook Marketplace, and assisted in Android development to extend service to OfferUp and LetGo
- Reduced time to go-live by 70% through developing web scrapers and scripts to automatically import customer inventory into csv, translate rows into objects, and batch insert into the database

Edisoft | SOFTWARE DEVELOPER INTERN, Toronto, Ontario

MAY 2020 - AUG 2020

C#, JavaScript, SQL, SQL Server, ASP.NET, Entity Framework, jQuery, Selenium

- Improved overall SaaS workflow through developing merchant facing web application to automate business transactions (EDI) to the merchant's ERP
- Optimized connecting user's Shopify account to their ERP by automating order fulfillment and inventory updates

FGF Brands | FULL STACK DEVELOPER INTERN, Toronto, Ontario

MAY 2019 - AUG 2019

C#, JavaScript, SQL, SQL Server, ASP.NET, Entity Framework, jQuery, Bootstrap, Azure

- Accelerated client's order management efficiency by 40% through building a vendor management portal on Azure
- Reduced product report completion time by 35% through implementing live barcode scanners on web apps, which lead to become an internal library

PROJECTS

TWISM - Twitter's Influence on Stock Market | RESEARCH WEB-APP

React, Redux, Express.js, Node.js, CanvasJS, Azure Cognitive Services, Twitter API, Docker

- Web application to visualize twitter's effect on the stock market. Users can analyze a tweet to discover related companies and research the correlation between the tweet and the change in market price.
- Retrieves tweets based on username, unique identifier, or keyword and preprocesses the tweet thread to pass in clean data to obtain mentioned companies from Azure Text Analytics API
- Translates related companies to publicly traded stocks and visualizes the historical price around the time of tweet

EDUCATION

University of Waterloo | BACHELOR OF COMPUTER SCIENCE, Economics Minor

SEPT 2018 - APR 2023

Relevant Coursework: Algorithms, Data Structures and Data Management, Object-Oriented Software Development, Database Management, Logic and Computation, Operating Systems, Numerical Computation

Interests: Algorithmic Trading, Blockchain, Microeconomics, Soccer, Fashion