Spencer McCoubrey

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SKILLS

LANGUAGE PROFICIENCIES

Experienced:
Java • Java Spring • JavaScript • Python
SQL/PostgresSQL/MySQL
Redis • SCSS/CSS • HTML
Intermediate:
React • Angular 6-10 • C • Kubernetes
Node.js • Elasticsearch • Ruby on Rails
MongoDB • Docker • Backbone.js
Familiar:
D3.js • Redux

TECHNICAL/ACADEMIC

Agile Development Methodology:
Kanban • Scrum • Jira • Git & SVN
Fundamentals of Computer Science:
OOP • SDLC • Architecture
Data Structures • Scripting • Algorithms
Databases • SEO • Version Control

EDUCATION

UNIVERSITY OF TORONTO SCARBOROUGH

Honours Bachelor of Science
Specialist in Software Engineering
August 2020 | Toronto, ON

PROJECTS

BILL-SPLIT

• Web app to quickly split cheques/bills amongst friends and share results
• Created using Angular 8 & Express.js
• Deployed using Netlify and lambda functions

SAMPLE-MAKER

• Web app to upload, create, edit and share music samples.
• Created using Angular 7, Express.js, MongoDB and WebAudioAPI
• Deployed using Heroku and MLab

PROCESS LISTENER

• Python script that listens to CPU usage and notifies of possible errant processes.

EXPERIENCE

OKTA | Toronto, Canada

Senior Software Engineer | April 2022 - Present
Software Engineer | September 2020 - April 2022

- Redesigned and implemented several services and low-level libraries to enable Okta to be cloud-platform agnostic, and deployed on latest container platforms using Kubernetes.
- Full-stack engineer working primarily on performance/infrastructure centric team. Team responsibilities include rate-limiting, DB query optimization, performance enhancements, multi-tier caching, and more.
- Collaborated cross-functionally to build robust rate limit usage recording and querying service, including the use of Java Spring, MySQL, Redis, Elasticsearch, and asynchronous jobs framework.
- Worked closely with many stakeholders as primary engineer on building out API to support rate limit usage visualization for clients, and contributed to front end implementation using Backbone.js and D3.js.
- Constantly iterates with product management, designers, and other engineers to improve transparency, functionality, and understanding of the rate-limiting framework to clients/customers.
- Conducts regular investigations into client issues and outages surrounding performance, facilitated by the use of tools such as Splunk, Wavefront, VividCortex and application logging.

VERTO INC. | Toronto, Canada

Full Stack Developer | September 2018 – September 2019

- Implemented brand new message-processing API using FHIR based resources to automate clinical pathways using Python-Flask and Ruby on Rails.
- Created an intuitive Angular 8 application for dynamically creating and rendering responsive forms through a drag-and-drop interface, focusing on functional, accessible and extensible design.
- Took on a supervisor role, managing, doing code review and delegating tasks to other coop students, helping develop their skills and creating a collaborative environment.

LINKS

PERSONAL WEBSITE | https://spencermccoubrey.com
GITHUB | https://github.com/McCoubs
LINKEDIN | https://linkedin.com/in/spencer-mccoubrey-38b559130