

Ayush Kaushik

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ayushkaushik



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dev.to/ayushkaushik

Skills

Languages: JavaScript, Typescript, HTML, CSS, SCSS, C, Python, PHP, Groovy and Java

Testing: SonarQube, Jest Unit Tests, Black box, and White box Testing methodologies

Automation: Jenkins, Cron, Shell and Bash scripting

Frameworks: React

Monitoring: Elasticsearch, Logstash, Kibana, Prometheus, Grafana, Alert-Manager.

Articles

Firebase Auth + React.

- Self-learned and researched Firebase Authentication for Single Page Application
- Documented the process in a step-by-step article for readers to follow.

React + GitHub = Professional Portfolio Website

- Designed a process to create dynamically updating portfolio website using GitHub API, Dev.to API and React.
- This website could be hosted without any cost using GitHub pages.
- Documented the entire process of creating and deploying the website in an article for readers.

Work Experience

Development and Support Specialist Co-op

January 2019 - August 2019

Tekside.io; Guelph, Ontario, Canada

- Learned about core Docker concepts.
- Created automated pipelines using Jenkins that reduced the deployment process from a day to less than 15 minutes.

DevOps Developer

May 2020 - Present

Tekside.io; Guelph, Ontario, Canada

- Developed a ticket form using React, Express and Slack API that notifies developer when a ticket is created.
- Designed Jenkins Shared Library and built custom classes using Object Oriented concepts to replace stages and steps effortlessly for testing, build and deployment.

Projects

Admin Web Portal

September 2018

- Developed a web portal for service administrators using Node.js, Vanilla JavaScript and MySQL to manage large volumes of user subscription data.
- The frontend of the portal helped to remove human errors caused by manually running SQL queries in production database.
- Implemented a login module and authorization middleware to track user activity.

Compliance Pack Tracker

May 2020

- Devised a custom web-based solution for pharmacies to track their patient's compliance pack information instead of keeping physical records.
- Created a MariaDB instance and schema based on the information collected in physical forms and built an API in Node.js to perform actions on the collected data.
- The system also helps pharmacies to automatically calculate the next delivery date and keep track of the weekly compliance pack quantity.
- Created a Cron job to routinely backup the data and transfer SQL files to a secure location via SFTP to prevent data loss.

Time Entry Report Generator

April 2021

- Developed an API service in Node.js, Express and JavaScript that runs asynchronous processes to collect time entries of all employees.
- The service contacts the API of an external service to create CSV records by mapping each time entry to a task and its parent project.
- Iterated and improved performance of the service by reducing the number of API requests from 1000+ to 200 requests only and further reduced the time taken to process 2 years of entries in 8-10 minutes only.
- Created a custom Slack message builder class that notifies users when the collection process is completed.

Dice Roll Simulator

November 2020

- Designed and created a single page application in React and SCSS that simulates random dice role.
- Users can role any number of dice in the simulator.
- This application helped in enforcing core React concepts, separating visual and logical components and using context API for managing data.

Education

Bachelor of Computing, Honors

September 2015 – April 2020

Software Engineering (Co-op)

University of Guelph; Guelph, Ontario, Canada

- Placed in Dean's Honor List (Fall Semester 2015, Winter Semester 2016, 2017 and 2018)