DILLON WARD

Senior Software Developer

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○ https://github.com/DillonWard

EXPERIENCE

Senior Software Engineer
HeyScience

📅 Feb. 2023 - Ongoing (1y)   📍 Remote

Full Stack Development on a number of different projects which involved rapid prototyping frontends and creating APIs and services which would use AI to suggest content to the user.
Frontend: Javascript, Vue 3, Tailwind
Backend: Python, Django, FastAPI, Auth0, OpenAI, Scrapy, Pulsar, RabbitMQ

Technology Consultant III
HPE

📅 Mar. 2019 - Dec. 2022 (3y 10m)   📍 Galway, Ireland

Fullstack Development focused around HPE's RMA (Right Mix Advisor), a tool that was designed for HPE's internal consultants to use.
Frontend: Vue.js, VueX, Bulma, Buefy, Chart.js, D3.js
Backend: PHP, Node, Express, Java, MySQL, Laravel, Mongo
Infrastructure: Docker, Docker Compose

Frontend Development on HPE's GreenLake Central (GLC), tasked with creating widgets for a portal and using state management for multiple widgets per user.
Frontend: React & Redux

International Consultant
The AKKAdemy

📅 Jul. 2018 - Jan. 2019 (7m)   📍 Bordeaux, France

My task was to migrate a currently existing Data Visualization web application which was written in plain JavaScript, HTML, CSS, and D3.js over to an Angular application.

EDUCATION

Bachelor's of Science (Honours) in Software Development
Galway-Mayo Institute of Technology, Ireland

📅 2014 - 2018   📍 Galway, Ireland

SKILLS

Angular, Vue, React, JavaScript.

Python, Java, SQL, PHP.

FastAPI, Django, MySQL, CouchDB, PouchDB, MongoDB, Laravel, Node, Express, Spring Boot.

Kubernetes, Azure Pipelines, Docker, Docker Compose

PROJECTS

AI Submission Reviewer
A web application that allows a user to upload a paper, which will then be parsed into text and sent to an AI service which will suggest changes to make to the paper. This project also included a scraper service that once a week ran a cronjob that would scrape conferences and store them in a database, and an AI service that would suggest conferences the user could attend based on the content of their paper.

Frontend: Vue 3, Pinia, Tailwind, Auth0

Backend: Python, FastAPI, Django, OpenAI, Scrapy, Pulsar, RabbitMQ

Infrastructure: Docker, Docker Compose, Kubernetes

Science Assistant
A web application that allows the user to search for entities (papers, authors, sources, concepts, institutes) provided by the OpenAlex API, and save them to a collection. Then, once a week a cronjob that would pass the user's collection to an AI service that would suggest similar entities.

Frontend: Vue 3, Pinia, Tailwind, Auth0

Backend: Python, FastAPI, Django, OpenAI

Infrastructure: Docker, Docker Compose, Kubernetes

Right Mix Advisor
A tool that was designed for HPE's internal consultants to use.

Frontend: Vue.js, VueX, Chartjs, D3.js

Backend: PHP, Laravel, TypeScript, MongoDB, Express, Node, Java.

Infrastructure: Docker, Docker Compose, Kubernetes

HPE GreenLake
Created Widgets that would sit in the GreenLake portal and change state depending on the user logged in.

Frontend: React and Redux.