

Vijay Rajasekar

About

📍 Windsor, ON

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Web Development

Vue.js React

Programming Languages

Node.js C# Java

Python

DevOps

Git Docker Kubernetes

Bamboo JIRA AWS EC2

Mobile Development

React Native

Android (Java)

Experience

Advantage Engineering

05/2019 - 12/2019

Junior Software Developer

- Led a project from scratch to automate the generation of prototype manufacturing cost quotes from 3D CAD files.
- Used a Vue.js SPA as the frontend, a Node.js REST API as the backend, and Couchbase for the persistence layer, served using Docker and Nginx.
- Implemented state-of-the-art software security practices and achieved A+ security rating on SSL Tests.
- Set up a DevOps workflow using open-source project collaboration solutions such as Wekan, Gitea, and Wiki.js.

University of Windsor

09/2018 - Present

Graduate Assistant

- Facilitated lab sessions on Java and Compiler Design for over 150 students.
- Managed custom assignment submission site using PHP and wrote scripts in Python to grade submissions.
- Created an online forum for directly engaging with students and provided 24/7 support for course-related questions

Accenture

05/2017 - 08/2018

DevOps Engineer

- Performed solution design and development of scalable microservices using Node.js
- Migrated microservices from physical infrastructure to AWS EC2 using ECS and Rancher
- Utilized full potential of Mocha test suite to improve test automation using data-driven testing, reducing testing time by 60%

Projects

re-Search · github.com/vijayRT/reSearch

Vue.js Python FastText

Search engine for indexing and searching through a corpus of 600,000 research publications. Implemented PageRank and machine learning features such as classification, clustering and word/document embedding

InkBot · <https://github.com/vijayRT/inkbot>

Django Python AWS S2

Intelligent news content generation agent trained using human written news data. Used Twitter API to obtain trending topics and Naive Bayes classifier to classify generated news articles. Automated the above processes and hosted the generated website on AWS S2

Education

University of Windsor

09/2018 - 09/2020

Windsor, ON

MSc. Computer Science

Panimalar Engineering College

08/2013 - 05/2017

Chennai, India

B.E Computer Science and Engineering