Vijay Rajasekar

Software Developer

- Windsor, ON
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SKILLS

HTML5, CSS3, Javascript

React, Vue.js

Node.js, Java, C#

MySQL, MongoDB, AWS DynamoDB

Git, JIRA, Bamboo

Docker, Kubernetes, AWS EC2

EDUCATION

MSc. Computer Science

University of Windsor

09/2019 - Present

B.E Computer Science and Engineering

Panimalar Engineering College

08/2013 - 05/2017

WORK EXPERIENCE

Blockchain Developer Intern
01/2020 - Present

Scotiabank, Windsor, ON

- Researched potential applications of blockchain technology in Canadian finance sector
- Built a private Ethereum blockchain using Docker and AWS EC2 to simulate a network of banks
- Created smart contracts in Solidity and web applications using Vue.js to interact with blockchain
- Published a paper on blockchain software engineering practices in international journal

Developer
02/2020 - 06/2020

Audacia Bioscience

- Developed fullstack web projects using React, Node.js, and MySQL to provide customized high-quality virtual clinical trials
- Built a contact tracing app using React Native and Google-Apple Exposure Notification API
- Boosted performance of existing web and mobile apps by 60% by refactoring codebase

Junior Software Developer
05/2019 - 12/2019

Advantage Engineering, Windsor, ON

- Built an e-commerce project to automate the generation of prototype manufacturing cost quotes from 3D CAD files
- Developed the frontend using Vue.js, handled backend operations using Node.js, used Couchbase for data storage, and Nginx for the webserver
- Implemented state-of-the-art software security practices and achieved A+ security rating on SSL Tests

DevOps Engineer
05/2017 - 08/2018

Accenture, Chennai, India

- Designed web applications using Vue.js and Material Design for user facing web applications and project management tools
- Utilized full potential of Mocha test suite to improve test automation using data-driven testing, reducing testing time by 60%
- Migrated microservices from physical infrastructure to AWS EC2 using ECS and Rancher

PROJECTS

re-Search
09/2018 - 12/2018

- Built a search engine for indexing and searching research documents using Python.
- Developed frontend using Vue.js and Vuetify, and connected to engine using a REST framework.
- Achieved document retrieval speeds of <0.1 s

Inkbot
12/2016 - 04/2017

- Developed an AI journalist that observed trending topics of the day and generated news content using machine learning
- Served content using a frontend written in jQuery and Bootstrap