

James Suresh

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SUMMARY

Graduate **software engineering** student proficient in JavaScript, Python, Golang, C#, and Swift. Experienced in using databases such as MySQL, PostgreSQL, and MongoDB, and cloud platforms like Azure and GCP. Skilled in frameworks like Vue.js, React.js, Node.js, and Express.js. Demonstrated ability in developing and deploying applications, integrating RESTful APIs, and solving complex technical problems efficiently. Experienced in leveraging deep learning frameworks and computer vision techniques for innovative project solutions.

EXPERIENCE

Software Developer

Revature

May 2022 – August 2022

- Contributed to the development of TakeItEasy. An all in one iOS application that included separate music, book, web search, notes and quiz pages using Swift
- Integrated RESTful APIs (such as the Deezer API) to allow for a real-time, wider selection of books and music to download and stream from the Internet
- Improved the user experience of the iOS application by leveraging my expertise in designing and implementing custom animations using the UIAnimation library. Received commendable feedback from peers for the seamless integration of visually appealing and interactive elements, improving usability and engagement of the application.

Web Developer

GoneSailing

April 2022 – May 2022

- Independently leveraging Wix's Velo framework, I designed and developed the company's website, showcasing expertise in UI design, browser/device compatibility, production roll-outs, and testing. Spearheading the entire website development process under the supervision of the company CEO
- Implemented and customized a range of plugins to display and organize extensive weather data sourced from Weather Canada. Through seamless integration and modification, the website now provides users with comprehensive and up-to-date weather information.
- By strategically leveraging the robust capabilities of Google Forms, identified the potential for significant cost reduction of \$5000 without compromising on essential functionality or user experience.

PROJECTS

My Finance

devjames-myfinance.netlify.app/news

- Designed and developed a finance application, My Finance, using MongoDB, Express, React, Go to provide users with up-to-date news and stock market information. Integrated the Yahoo Finance API to fetch and display real-time stock market data within the app, enabling users to track their favorite companies and stay informed about market trends. Actively deployed the site using Netlify and Azure Web App services. Currently migrating services to a Kubernetes cluster in Google Cloud Platform for improved scalability and management.

Real Estate App

devjames-real-estate.netlify.app/

- Created a comprehensive real estate website from scratch, leveraging the power of Vue.js as the frontend framework. Implemented an advanced feature that enables users to browse property listings based on specific geographic areas. Achieved this functionality by integrating Google Geocoding API

Automotive CV

github.com/jsuresh3/automotive-cv

- Developed a system to detect and classify objects such as cars, pedestrians, and traffic signs in automotive imagery using computer vision techniques. Utilized deep learning frameworks including TensorFlow, Keras, and PyTorch to experiment and evaluate model performance on various metrics. Implemented image preprocessing with OpenCV and programmed in Python. Managed project setup by cloning the repository, downloading datasets, and installing required libraries.

EDUCATION

Masters in Software Engineering (Co-Op) | Sept 2023 – Present

University of Western Ontario • London, Ontario

Bachelors (Honors) in Software Engineering | Oct 2020

Ontario Tech University • Oshawa, Ontario

COURSEWORK

Machine Learning, Web Development, Data Structures, Design and Analysis of Algorithms, Advanced Computer Networks

SKILLS

Languages: JavaScript, Python, Golang, C#, Swift

Tools/Technologies: MySQL, MS SQL, PostgreSQL, MongoDB, Azure, GCP, Docker, Kubernetes, Git

Libraries/Frameworks: Vue.js, React.js, Node.js, Express.js, SwiftUI, UIAnimation, Sklearn, Pytorch, Tensorflow, YOLO, OpenCV