

VAISHNAVI JAYAPALAN

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ON, Canada

Professional Summary:

Senior Software Engineer with 4 years of experience in Full Stack Developer and can work on both back-end and front-end development to meet client's business requirements.

Strong communication and diagnostic skills, consistently solving problems reputation for productivity, complex problem resolution and professionalism. To work in tandem with a team in a challenging and competitive environment where I could improve my knowledge, capabilities and put them to use for the development of the organization.

A decision maker who can handle customer issues and act immediately. Analyzing and understanding the root of the problem to take necessary actions and find a possible solution. My roles and responsibilities are to design, analysis, coding, configuring, testing, debugging, troubleshooting, documentation, and implementation of programs with delivery on time.

Technical Skills:

- **Frontend:** React, Redux, Hooks, Axios, React Router, Angular, HTML5, CSS3, SCSS, Bootstrap
- **Backend:** NodeJS, Express JS, JavaScript, ES6, Typescript, PHP, Symfony, Python, Django
- **Unit Test:** PHPUnit, Jest
- **API:** JSON, SOAP and RESTful
- **Architecture:** MVC, Microservices
- **Databases:** MySql, MSSql, Postgres, MongoDB, Google Cloud Storage
- **Source and Version Control:** Git, Github, Azure devops
- **CI/CD Pipeline:** Azure Devops, GitHub actions
- **OS:** Linux and Windows
- **Cloud:** Google Cloud Platform, Azure, AWS S3
- **Visualization:** PowerBI
- **AI & Machine Learning:** Alexa, Dialogflow, NLP (Huggingface, Textblob), Neural Networks, Deep Learning Models, ML Models, NN Models, OpenCV, Matplotlib, Numpy, Pandas, SkLearn, PyTorch, Tensorflow.

Professional Experience:

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING – **GEORGIAN COLLEGE, ON, CANADA**
SEPT 2022 – MAY 2023

Projects Worked:

- Understanding the chatbot development and created a sample Order Placing Chatbot with **Alexa** and **Dialogflow** using intents, slots, and interfaces.
- Developed an Image Classification in Deep Learning project based on Detecting leaves species by 90% accuracy with **Xception Model**.
- Worked on Models like Random Forest, XGBoosting, Linear Regression, CNN, ANN and Reinforcement Learning
- Well understanding in Computer Vision and Natural Language Processing with **Textblob** and **hugging face**.
- **Technologies:** Alexa, Dialogflow, NLP, Textblob, HuggingFace, Machine Learning Models, Deep Learning Models, OpenCV, SKLearn, Python, Numpy, Pandas, Neural Network Models, AWS, Azure Machine Learning, Pytorch, Tensorflow and Matplotlib.

SENIOR SOFTWARE ENGINEER - **ASPIRE SYSTEMS Pvt Ltd, CHENNAI, INDIA**
NOVEMBER 2018 – AUGUST 2022

Projects Worked:

Sindion :

Nov 2018 to Apr 2019

- Responsible for developing module like Finance Management and Dashboard with charts data using **PHP**, **Symfony**, **Postgres** with ORM
- Understanding the **Microservices Architecture** and integrating with **Angular JS**.
- Established **REST APIs** for report generation, user-friendly dashboard with chart implementation and useful for Microservices modules.
- Worked with **Symfony translations bundles** for right to left and left to right language. Providing translation data from backend to frontend through APIs.
- Determinate **Kafka** with producers and consumers to connect each microservices and allows to build reports and data to database server without any data replication.
- Implemented rigorous testing strategies, including unit testing with **phpUnit** and resolving production bugs.
- Implemented secure project with **JWT** authentication.
- Created queries and seeded data. Worked with **ORM Repositories** for resolving complex queries and for retrieving data.
- **Technology:** PHP, Symfony, Postgres, Angular JS, Kafka, MongoDB, Microservices Architecture, Linux

Project Tracking System:

Apr 2019 – Mar 2020

- Responsible for choosing suitable technology and creating skeleton structure as base of the application with **Python** and **Django Framework**.
- Used **Google Cloud Platform** storage with key points to store images of the application and fetch the data.
- Managing the application in production and resolved bugs to increase the project performance.
- Conducted code reviews and provided feedback to other developers for ensuring code quality.
- **Technology:** Python, Django, Angular JS, PostgreSQL, REST Api, Google Cloud Platform

ZELLE Toolkit:

Apr 2020 – Aug 2022

- Developed **Responsive** banking application with **Typescript** in **React JS**, **Redux**, **Axios** and **NodeJS** with **Express JS**
- Developed the application with class components, functional components, **React hooks**, used **Redux** for state management, used **React Router** and used **Axios** for API integration.
- Implemented **Redis** for cache management, **MSSQL** server for storing banking hashed data which received from client. Collected each bank data using **SOAP API**.
- Collaborated with web team in establishing **CI/CD pipeline** in Azure devOps for the Project.
- Implemented **dynamic theme** setup for each financial institution.
- Implemented rigorous testing strategies in enhancing project performance, including unit testing with **JEST** and resolving bugs from production release.
- Conducted code reviews and provided feedback to other developers to ensure coding standards and quality.
- **Technology:** React JS, Redux, Hooks, Node JS, Bootstrap, MSSql, Azure devops, Soap Api, Typescript, Jest, CI/CD pipeline

Additional Knowledge and Works:

- Worked on Version Control Mechanisms(**GIT**).
- Worked on **GCloud Management** .
- Worked with Static Code Analyser Tool (**Eslint**).
- Certified in AWS Academy Cloud Foundations.
- Certified in AWS Academy Machine Learning Foundations.

Achievements:

- Got **Role Star Award** for delivering modules on time and for extraordinary performance in Jul 2021.
- Got appreciation directly from client for excellent performance.

Education:

PGDM – Artificial Intelligence, Georgian College, Barrie, ON, Canada.

SEPT 2022 – APR 2023

Secured around 80% of marks in the overall curriculum.

B.E (CSE) – Anand Institute of Higher Technology, Chennai, India.

AUGUST 2014 – JUNE 2018

Secured 73% of marks in the overall curriculum.