Josh Van de Walle

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Skills

Architecture

Microservices

REST APIs

Layered Architecture

Frameworks and Libraries

React

Spring Boot

.NET Core

Redux

Material-UI

Spring MVC

Laravel

Java EE

Methodologies

Scrum

SDLC

Database Solutions

MongoDB

PostgreSql

MySQL

MariaDB

Microsoft SQL Server

Design Patterns

Model View Controller (MVC)

Model View Update (MVU)

Data Transfer Object (DTO) Pattern

Data Access Object (DAO) Pattern

Dependency Injection

Facade Pattern

Singleton Pattern

Interceptor Pattern

Containerization/Virtualization

Docker

DockerHub

Cloud Solutions

AWS

EC2

Elastic Beanstalk

Heroku

Introduction

I am a detail-oriented software engineer with experience using industry-leading technology solutions. I have a passion for software architecture and design as demonstrated in the projects below.

Projects

OpinionMarket   Spring 2021

- Social news application built with microservice architecture.
- Technologies used include React, Spring Boot, MongoDB, Redux, Material-UI, Docker, AWS EC2 containers, and AWS Elastic Beanstalk.
- Developed with Scrum methodology
- Design complete development in progress
- Design architecture: https://github.com/JoshVandeWalle/OpinionMarket/blob/main/Architecture.docx
- Requirements: https://github.com/JoshVandeWalle/OpinionMarket/blob/main/RequirementsDocument.docx
- Project proposal: https://github.com/JoshVandeWalle/OpinionMarket/blob/main/ProjectProposal.docx
- Swagger API design: https://app.swaggerhub.com/apis/JoshV3742/Capstone/1.0.0

Prestige Professional Network   Spring 2020

- Professional networking web application complete with accounts, authentication, job posts, affinity groups, and a REST API.
- Utilizes PHP, Laravel, and will take data from the application and store it in a MySQL database.
- This project was developed using the MVC, layered architecture, DAO, DTO, Singleton,and dependency injection patterns.
- Designed and built using Scrum methodology.
- Live version: prestige-professional-network.herokuapp.com
- Design documentation: https://tinyurl.com/prestige-documentation
- Swagger API design: https://app.swaggerhub.com/apis/JoshV3742/Prestige/1.0.0

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Skills

Languages

Java

C#

JavaScript

PHP

HTML/CSS

Tools

Swagger

Github

Jira

Visual Studio Code

Microsoft Visual Studio

Eclipse (Java & PHP)

Postman

MongoDB Compass

MongoDB Atlas

MySQL Workbench

pgAdmin

Slack

LucidChart

Other

Maven

Unified Modeling Language (UML)

Database design

Composer

CKEditor

Education

Bachelor of Science   **Spring 2021**

- Bachelor of Science in Computer Programming from Grand Canyon University

Experience

AlexMath   **May 2020-October 2020**

- Software Engineering Intern
- Technologies used: PHP, PHPMailer, JavaScript, jQuery, CKEditor.
- Worked remotely on education platform based on worksheets.
- Personally built credentials and cookie based authentication system, email system, PHP backend, and WYSIWYG support.
- Drafted documentation for proposed updates
- Setup version control for company using Github