

# 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

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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

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### 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](https://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

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### Bachelor of Science

Spring 2021

- Bachelor of Science in Computer Programming from Grand Canyon University

## Experience

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### 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