

JOSHUA PALAMUTTAM

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SUMMARY

A highly-motivated computer professional, who graduated with a Computer Science degree from Rose-Hulman Institute of Technology '19, with the enthusiasm to accept, and individually solve new challenges. The positions I have been in have given me hands-on work experience working on application design, development, and quality assurance using agile practices, and writing clean code.

EDUCATION

Rose-Hulman Institute of Technology **2015 - 2019**
Bachelor of Science in Computer Science

EXPERIENCE

Counterpart **May 2020 - Present**

Software Engineer, Fishers, IN

- Independently architect the React frontend for a higher education financial funding tool for the Indiana state government
- Assist in the creation of a community service engagement tool for startup Donaide, using .Net MVC
- Develop new features, and maintain a custom internal task management software for Keramida, and a custom software selling environmental reports, for ISRI using .Net MVC

Kaiser Permanente Genetics **February 2020 - May 2020**

Junior Dot Net Analyst, San Jose, CA

- Research and development for .Net Core MVC, with SQL applications used by the Genetics Department
- Gather requirements while developing and supporting applications such as an Assay Management tool
- Occasionally created autonomous Batch Files, or Excel VBA scripts to aid Lab Technicians in their duties

DMI **May 2019 - February 2020**

Software Engineer, Indianapolis, IN

- Develop a POC to optimize lot operations at a car auction site, using Angular, Node.js, AWS serverless, SQL
- Assisted in the development of a physics engine to simulate a transmission, for Allison Transmission, proprietary math was done using C++, passed to a Angular, .Net Core, SQL stack, using EF Core
- Built Microsoft Teams Chat bot for DMI, using LUIS an Azure Cognitive Service (NLP)
- All projects used Azure Devops to adhere to SAFe agile practices, such as CI/CD, unit and integration testing

PROJECTS

Full stack portfolio website, (React, Gatsby, GCP, GraphQL) **Spring 2020**

- The website can be found at this link: <https://www.joshuapalamuttam.com> or github
- Developed and Integrated a GCP Postgres SQL instance for the back end
- Deployed front end through Strapi, and built with Gatsby, and React, hosted through Netlify
- All API requests, are received through GraphQL, and not a regular REST API

Compile.io (Angular, Spring Boot, MongoDB, Docker) **2018-2019**

- Developed a scalable website that automatically grades student submitted code
- Code was submitted through the Angular front-end, taken to our Java Spring backend, processed in a docker container, and stored in MongoDB.
- Gathered requirements from professors, and wrote documentation that can be viewed in my github

Stock Market Analysis through Twitter (Python) **Spring 2019**

- The purpose of this project was to figure out how a companys twitter handle and companys CEO twitter handle affected the companys stock
- Performed Latent Semantic Analysis on tweets for those twitter handles
- Pre-processed data by removing stop words, duplicate tweets, and special characters

SKILLS

Programming Languages	JavaScript, Typescript, C#, Java, SQL, HTML, CSS, Python
Frameworks	Angular, React, Node.js, Spring, .Net Core, Entity Framework Core, .Net
Tools	AWS, Azure, GCP, Docker, Git, Visual Studio, Visual Studio Code, GraphQL
Certifications	AWS Cloud Practitioner, SAFe 4.6