KARTHIK PILLALAMARRI

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WORK EXPERIENCE

JPMorgan Chase & Co.   **July 2020 – Present**
Software Engineer
- Created software that shifts testing left for the development of the Chase website and mobile app that developers can use to test code against services in QA environments of the CI/CD pipeline earlier in the developer workflow by testing while developing their feature using Node.js and Express
- Created dashboard using Angular to display performance during emergency outage of CI/CD toll gating system that prevents bugs in production code of Chase website and mobile app, resulting in system return to 90% performance within seven days
- Optimized CI/CD toll gating system to only use Kubernetes clusters with at least 70% CPU availability using Java Spring Boot
- Developed dashboard to compare the performance of Chase website on Google Chrome Stable and Chrome Beta before production release
- Produced dashboard to enable 800+ developers to reduce defects in the production code corresponding to Chase website and Chase mobile app

JPMorgan Chase & Co.   **June 2019 – Dec 2019**
Software Engineer Intern
- Presented with requirements to create a web application that prevents internal employees from sending typed documents to customers without manager approval
- Stored and retrieved required information from internal employees within MariaDB instance using Java Spring Boot and Hibernate
- Decreased time of uploading a document to AWS S3 through the development of a REST API using Java Spring Boot that automated this process

PROJECTS

Customizable Wordpad (React Native Application)   **January 2021 – May 2021**
- https://www.youtube.com/watch?v=WG9tfar-HPw
- Built prototype for new word processing app that enables the addition of custom keys to the user interface to improve the efficiency of low-income students using React Native

University of Akron Hackathon (HAkron) – First Place (Wearable)   **September 2018 – September 2018**

- https://www.youtube.com/watch?v=_ZKI-7IOoWw
- Won the Grand Prize in a competition of 25 teams
- Worked in a team of 3 to create a vision assistance object that can detect objects within 1 meter from several directions in the field of vision

EDUCATION

The Ohio State University   **Graduated May 2020**
Bachelor of Science, Computer Science and Engineering

TECHNICAL SKILLS

- Java, Spring Boot, Docker
- Kubernetes, Git, Bash Scripting
- JavaScript, Typescript, Angular
- AWS, Kibana, Python, Jenkins
- Node.js, Express, Terraform