

KARTHIK PILLALAMARRI

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WORK EXPERIENCE

JPMorgan Chase & Co.

July 2020 – Present

Software Engineer

- Created high-leverage software that will catch bugs earlier in the developer workflow and save money for the Chase website and mobile app, products with around 60 million customers, by creating a simple NodeJS/Express application to test code against services running in QA environments of the CI/CD pipeline earlier in the developer workflow
- 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, visualizing 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
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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
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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

