

Matthew Fox

Greater Milwaukee Area

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EXPERIENCE

SPINS LLC., Chicago — *Software Engineer*

April 2020 - Present

- Helped convert two Spring Boot projects with extensive Rest APIs from Java to Kotlin to take advantage of its' functional programming features that assist with data processing
- Worked on an application called Product Hub, which allowed consumer products the ability to be represented in SPINS data analysis used by various distributors and retailers
- Worked on an internal application that stores images in Google Cloud Storage in relation to certain products represented in Product Hub
- Consistently communicated with teammates through peer programming and Test Driven Development to aid with context switching between up to 3 projects
- Utilized Agile sprints (2 wks) to increase velocity, React for frontend development, and Domain Driven Development for integration tests

FIS, Milwaukee — *Programmer Analyst Intern*

June 2019 - August 2019

- Worked on internal project and was able to demo every two weeks to stakeholders for feedback
- Converted a Visual Basic app into a ASP.NET MVC web app
- App provided multiple services related to product, client and distributor information for banks
- Converted app because the stakeholders (sales and devs in department) wanted to access it more easily, and the original app was filled with errors and bugs that would cause performance issues
- Reverse engineered original app through analyzing code and using SQL Tracer to migrate business logic
- Stakeholders were able to use the converted application which has better UI design and efficiency

UW-Milwaukee, Wauwatosa — *Undergraduate Research*

June 2018 - May 2019

- Developed software for a biomedical engineer lab researching subjects with mobility impairments
- Produced a report generator that outputted pdfs which graphically represented lab data, used C# and Matlab
- Report generator used by lab manager to reduce time spent on creating reports that help discuss research findings with other medical personnel

SKILLS

- React
- Spring Boot
- Testing Libraries (Jest, Enzyme, JUnit, Cucumber, Mockito)
- OOP/ Functional Programming
- REST/ GraphQL
- DevOps Tools (Git, Concourse, GCS)

LANGUAGES

- Java
- Kotlin
- Javascript
- HTML & CSS
- MySQL/Postgres
- Python

EDUCATION

UW-Milwaukee, Milwaukee, WI — *Computer Science*

September 2016 - December 2019

Bachelor of Science,
Computer Science

GPA: 3.6

PROJECTS

Document Organizer — Python (Django)

Constructed a full stack application for a Materials Eng. professor. App was a search engine that scans multiple terabytes of data. Users were able to search for a term and find research material based on frequency of the keyword.

