Thomas McKernan

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Core Skills

- Full Stack
- Version Control/Git
- Cloud Computing
- Linux/Unix
- Performance Testing
- Agile
- Spring Boot/Cloud
- Java/Kotlin

Education

B.S. COMPUTER SCIENCE | DECEMBER 2019 | UNIVERSITY OF DAYTON

- Minor: Math
- My capstone project involves creating a front to back website with a backend in Spring, Mongo, and Kotlin, as well as a front end in Vuejs. This project required heavy documentation and various organizational strategies.

Experience

SOFTWARE DEVELOPER ENGINEER | AMAZON WEB SERVICES | FEBRUARY 2020 – PRESENT

- Upgrading massive python applications from 2.7 to 3.4
- Assisted in launching features
- Doing security upgrades
- Answering lots of customer questions
- Building internal packages to help with analysis and troubleshooting

DISCORD BOT DEVELOPER | MARCH 2020 – ALWAYS

- Built multiple bots, including a discord bot to track League of Legends esports predictions
- Runs on AWS ECS with a full CD pipeline and integration tests
- Leverages DynamoDB for Cloud Storage and a CloudWatch dashboard for monitoring

SOFTWARE DEVELOPER | PEAPOD | JUNE 2018 – AUGUST 2019

- Worked with several Vuejs projects as a researcher and team member
- Researched into several cross platform mobile frameworks for webview integration including Flutter, Nativescript, React-Native, and Xamarin Forms
- Built a sidecar for Peapod Microservices using Spring Cloud Gateway
- Researched Kubernetes and Docker
- Created custom performance tests with Vegeta (Go) and Gatling (Scala)

DATABASE ADMINISTRATOR | NORTHWESTERN UNIVERSITY | JUNE 2015 - FEBRUARY 2020

- Found more efficient ways of updating the online database, by using auto-mouse-clickers and Excel formulae
- Received an Outstanding Service Award from the City of Evanston.