

# Kevin Aiken

<https://github.com/kevinaiken>

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## EDUCATION

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- **Georgia State University**

*Bachelor of Science in Computer Science; GPA: 3.6*

Atlanta, GA

*Aug. 2016 – May. 2019*

## EXPERIENCE

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- **NCR**

*Software Engineer*

Atlanta, GA

*July 2019 - Present*

- **Technical Leadership:** Led a team of software engineers and quality engineers, planning our roadmap and executing on it, while also growing junior members of the team.
- **Vagrant:** Significantly updated our Vagrant and SaltStack based virtualization infrastructure to generate virtual labs more effectively.
- **Python Integration Testing:** Designed and implemented a Python Integration testing framework to orchestrate complex system tests on distributed systems.
- **Task Automation:** Maintained and improved several Python based utilities designed to automate previously manual tasks, such as re-imaging labs.

- **OttoDock**

*Software Engineer*

Dawsonville, GA

*Oct. 2018 - Present*

- **Product Development:** Worked with a multidisciplinary group of engineers to design a concept for autonomous lake docks that self position and provide a variety of smart features, and then iterated through several prototypes. Currently we have a handful of beta docks in the water at Lake Lanier.
- **Backend:** Developed the Kotlin+Spring backend from the ground up. It currently consists of many API's for CRUD operations, websockets for live video and data streaming, and a variety of scheduled tasks.
- **Infrastructure:** Implemented and refined our approach to cloud infrastructure on AWS following best practices, including fully implemented CI/CD.
- **Security:** Researched and implemented our security approach, following best practices to implement user login, password reset, and authentication on both API's and websocket connections.
- **Project Management:** Helped scale our approach to work as we grew larger, using Github projects and Agile concepts to build our product more effectively.

- **T-Mobile**

*Software Engineering Intern*

Dunwoody, GA

*June 2018 - May 2019*

- **Full Stack Development:** Developed several full stack applications using Angular and Java Spring to demonstrate concepts.
- **Backend Mocking:** Virtualized a financial backend service to simulate partial system outages so that the behavior of our application could be thoroughly validated.
- **Kubernetes Prototyping:** Prototyped a proof of concept to run a document signing application on Kubernetes to increase the performance and robustness of the application.

## PROJECTS

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- **MarkIt:** Hackathon project using web NFC to to implement checkout-less shopping
- **IoT Physical Therapy:** Worked with a professor in Georgia State's Physical Therapy Department to provide them a specifically tailored Android application for conducting physical therapy on participants using Myo EMG bands.
- **Undergraduate Research:** Prototyped an automated personnel tracking solution using both passive bluetooth sampling and streaming cloud computer vision.

## PROGRAMMING SKILLS

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- **Languages:** Kotlin, Python, Java, SQL      **Technologies:** AWS, Linux, Vagrant, SaltStack, Jenkins, Spring