Peter W. Jefferson

Email: peterwjefferson@gmail.com **|** Phone: Please Contact for #
Website: www.peterwjefferson.com **|** LinkedIn: linkedin.com/in/peter-jefferson/

Education

The University of Iowa, Tippie College of Business, Iowa City, IA   **May 2019**
- B.B.A. Business Analytics and Information Systems, focus in Computer Science   GPA 3.52/4.0

AWS Certifications
- Certified Cloud Practitioner   **Nov. 2019**
- Certified Solutions Architect – Associate   **March 2020**

Work Experience

Software Engineer II, State Farm, Bloomington, IL   **June 2019 – Present**
- Saved State Farm and its policy holders ~$6M+ annually by developing infrastructure and code to migrate/convert ~13B+ documents (40B+ objects; 3 Petabytes) from a legacy storage solution (Hadoop) to AWS
- Utilize Terraform, Datadog, and the following AWS services: Lambda, DynamoDB, S3, SQS, IAM, API Gateway, CloudWatch, Snow Family (Snowballs)
- Support a 24/7/365 high volume Storage and Retrieval application that stores ~3M and retrieves ~3.5M documents a day, equating to about 1-3TB of data per day, for nearly all lines of business at State Farm. This is the largest operational workload going to AWS at State Farm today
- Built out Jenkins and UrbanCode pipelines to efficiently deploy code in a structured manner through our 100+ test and production servers

Technology Specialist Intern, Community Unit School District 303, St. Charles, IL   **May 2018 – Aug. 2018**
- Installed over 700 Aruba wireless access points around 16 different schools in just under a month to ensure a steady wireless connection throughout all the buildings (A $300,000 project)
- Maintained the school's database management system to keep track of technology assets in the district

Projects

Pharmaceutical Inventory Tracking Web App, Client Group Project, University of Iowa   **January 2019**
- Developed an inventory tracking web application that tracks, updates, and manages pharmaceutical assets between warehouses, hospitals, pharmacies, and clinics within Botswana, Africa
- Utilized Django, Python, and a PostgreSQL database to create the database driven web application
- Traveled to Botswana to implement the project, train employees how to use it, and met with representatives at the US Embassy to discuss future projects that the University of Iowa could develop to help improve the lives of residents in Botswana

Personal Website, Personal Project, www.peterwjefferson.com   **June 2018 - Present**
- Created an interactive website to display my resume, projects, and more. Used HTML/CSS/WordPress

Skills

Languages	DevOps	Big Data	Cloud	OS
• Python • Java • Shell Script • SQL & PL/SQL	• Terraform • GitLab CI/CD • Jenkins • UrbanCode • Puppet	• Hadoop • HBase, HDFS, YARN, Spark • AWS S3, DDB, Snow Family	• AWS: API Gateway, S3, DDB, SQS, IAM, CloudWatch, Lambda, Step Functions	• Mac OS X • Linux • Windows

Activities and Leadership

Association for Computing Machinery (ACM), Member, University of Iowa   **Aug. 2018 – 2019**
- Attended coding workshops, computer science socials, and computing conferences

Iowa Hawkeye Men's Soccer Club, Midfielder, University of Iowa   **Aug. 2017 – 2019**
- Practiced for 2 hours 2-3 times a week and had games on the weekends

Tippie Technology and Innovation Association (Tippie Tech), Member, University of Iowa   **Dec. 2017 – 2019**
- Exposed to analytics competitions, networking opportunities, career development, and skills training

Honors and Awards

- Finished 4th Place out of 48 teams in the UIowa Big Data Hackathon 2018   **October 2018**
- Member of the Phi Theta Kappa Honor Society (3.5 GPA or above)   **Spring 2016 – 2018**