

Kea Braekman

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WORK EXPERIENCE

Booz Allen Hamilton

Aug. 2020 - Present

Staff Engineer | Sept. 2022 - Present

Remote

- *Full Services Team - Hybrid Legacy Application Migration to AWS.*
 - Increased scalability and reliability of 6+ applications by **40%**, migrating hybrid infrastructure to **AWS ECS, ECR, RDS, and MQ** with **Terraform**.
 - Reduced end-to-end application deployment time and manual steps by **50%** using **Gitlab CI, Docker, and Terraform**.
 - Integrated Artifactory with **AWS ECR** for container image storage, simplifying artifact management and versioning for **20+** Dockerized applications.
- *Security Services Team - Deployed and Maintained Security Infrastructure.*
 - Deployed and maintained **Tenable SC and Trend Micro** across 10+ multi-region AWS accounts, significantly decreased vulnerabilities by automating security scans.
 - Improved the patching process for security assets which saved **5 hours a week** by automating updates using **AWS Inspector, Lambda, and Step Functions**.

Software Engineer | Dec. 2020 - Sept. 2022

- *Foundational Services Team*
 - Automated TLS certificate creation by developing a **Gitlab CI** pipeline leveraging **AWS ACM** across **50+** instances.
- *Systems Engineer | Aug. 2020 - Dec. 2020*
 - Developed a web scraping **Python** bot that saved **160+ hours** of manual data entry by curling client financial data into an Excel spreadsheet.
 - Researched and drafted proposals for Cloud Engineering and FedRAMP projects for the Department of Defense.

EDUCATION

Loyola Marymount University

May. 2020

Double BS, Computer Science & Economics

Los Angeles, CA

3.7/4.0 GPA

PROJECTS & CERTIFICATIONS

Visualkube

- Developed a full-stack app to visualize **Kubernetes** and **Docker** layers using a **React** front-end and **Go** backend during a 2019 summer internship.
- Presented the project and business plan, winning **first place** in the nationwide Summer Games competition out of 80+ teams.

Wordle Solver

- Created a **Python** script using information theory to compute the optimal Wordle guess.

Ballpark Bookie

- Developed a machine learning script with **numpy** to predict MLB game outcomes using logistic regression on data from a sports API.

Hashicorp

- Infrastructure Automation Certification.

AWS

- Foundational Cloud Practitioner, Associate Developer.

SKILLS

Python, Terraform, AWS, Docker, Artifactory, Bash Scripting, Web Scraping.