

# Kandyce Houston

## Senior Software Engineer

Experienced Senior Software Engineer with aspirations to pursue a Master of Engineering, specializing in AI and Machine Learning. Possesses a strong foundation in software engineering and a demonstrated proficiency in cloud-native development and microservices architecture.



### Education

08/13 – 05/18

#### B.S., Computer Science

University of Illinois Chicago - Chicago, IL



### Work History

04/23 - Current

#### Senior Software Engineer

*Relativity*

- Led refactoring of internal Kubernetes orchestration systems, achieving a 95% reduction in resource-intensive API calls.
- Implemented dynamic solution for tenant provisioning pipelines, optimizing operational efficiency.
- Developed and maintained script for purging security-vulnerable images from Azure Container Registries.
- Automated memory dump extraction from Kubernetes containers, reducing resolution time by 85%.
- Worked with product managers, engineers, customer support and customers to resolve technical incidents.

11/20 – 04/23

#### Advanced Software Engineer

*Relativity*

- Engineered the migration of Relativity Agents to Kubernetes, resulting in a 700% performance improvement.
- Integrated Kubernetes container orchestration with Launch Darkly for dynamic feature flagging and A/B testing.
- Worked with software engineering team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.

08/18 – 11/20

#### Software Engineer

*Relativity*

- Spearheaded strategic extensibility points within the Relativity application.
- Orchestrated a redesign of the monolithic project architecture, enhancing adaptability and scalability.
- Participated in architecture, design and implementation of back-end features using .NET Framework.

05/18 – 08/18

#### Software Engineering Intern

*Relativity*

- Spearheaded the implementation of strategic extensibility points within the Relativity application, enhancing its adaptability and scalability.
- Orchestrated a comprehensive redesign of the monolithic project architecture, fostering more resilient testing practices and optimizing solution build time.
- Overhauled bootstrapping logic by consolidating numerous objects into a singular, marshaled reference across multiple app domains, resulting in streamlined and more efficient system operations.



### Contact

#### Address

Chicago, Illinois

#### Phone

708-969-3393

#### E-mail

kandyceburks@gmail.com

#### WWW

linkedin.com/in/kandyceburks

#### WWW

github.com/kandyceasania101



### Languages

C#  
C++  
Java  
Python 3  
SQL  
PowerShell  
JavaScript  
Go



### Skills

CI/CD  
Kubernetes  
Azure  
GitHub Actions  
Cosmos DB  
Terraform  
Splunk  
Jenkins  
Configuration Management  
Database Programming

## 08/17 -05/18 Undergraduate Student Researcher

*University Of Illinois, UIC*

- Research involving the use of basic data mining techniques to assess the effect of active learning within UIC's Computer Science curriculum.
- Performed routine data analysis to correct and verify data entry.



## Certifications

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Relativity Certified Administrator (RCA)

CISSP Cert Prep: Security Architecture and Engineering



## Accomplishments

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- Recipient of the Company Core Value of the Year Award, recognizing the individual who exemplifies exceptional commitment to fostering collaboration and appreciating the talents of colleagues and customers.
- Engaged as a Mentor for the Rise Academy Mentorship Program at Chicago State University, contributing to the development and guidance of aspiring individuals within the STEM academic community.