Kenneth Lee

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Experience

2/2020 – Present

Front End Software Engineer at American Express
New York, New York

- Architected and built crucial features for MVP while working closely with product owners.
- Reduced page load time by 31% by rearchitecting an Angular component design.
- Improved readability and programming efficiency by refactoring components to use Angular services and models.
- Learned quickly and took on the Angular codebase as the only front end engineer.
- Proposed and implemented new development workflows and documented existing processes.

5/2019 – 12/2019

Full Stack Intern at INFOLynx
Teaneck, New Jersey

- Utilized Leaflet to create a JavaScript map component that shows locations in real time.
- Deployed AWS Lambda functions, such as database lookups and location updates via text with Nexmo, MongoDB, and Mongoose. API requests were tested using Postman.
- Lowered Lambda runtimes by 30% by redesigning the database with the Senior Developer.
- Set up a file upload feature by hooking up AWS Lambda and S3 to a JavaScript component.

1/2019 – 2/2019

Software Contractor at CTFd
New York, New York

- Created and integrated templates for DropBox CTF's theme with CTFd's theme using Jinja.
- Turned system vulnerabilities into CTF challenges by hosting web apps on Linux servers.
- Delivered containerized CTF challenges to the Technology Student Association.
- Combined web development skills with Docker to build light and portable web applications.

Education

9/2016 – 12/2019

New York University
New York, New York

- **Major:** Computer Science, Bachelor of Science
- **Minor:** Mathematics
- **Cumulative GPA:** 3.51

Projects

Indra | Web Application
- An agent-based modeling system, written in Python, with a non-programming friendly GUI.
- Developed React components and cleaned up existing code base using DevOps practices.

League of Data | Web Application
- Displays the best combination of playable characters from the game League of Legends.
- Utilized Riot Games' API to store data on a MySQL instance on AWS.

Technical Skills

Proficient in JavaScript, React, Angular, Redux, Python, C/C++, Java, npm, JSON, Jest, HTML, CSS, Tailwind CSS, MongoDB, SQL, AWS (Lambda, S3, API Gateway), Git, Linux (Ubuntu), Docker, Jira
Familiar with Ruby, R, PHP, Flask, Jinja, Nginx, AWS DynamoDB, Swift, Android Studio