

ALEJANDRA LEE

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WORK EXPERIENCE

J.P. Morgan Chase & Co.

New York, NY, **July 2018 – Present**

Associate

Digital Middleware Technology: Support the overall sanity, wellness, and modernization of a monolithic (over one million lines of code) application with over 40 million daily active users

- Developed an automated resolution bot that triages lower environment and production issues imitating all manual processes completed by our team and auto-assigning to the appropriate stakeholders, saving our team hours of manual triage time and improving MTTR
- Pioneered a new monitoring framework which integrated Splunk data with various static and dynamic data sources to create an ingress view for all middleware applications
- Played key role in developing a framework that will monitor the 1,500+ assets tagged to our application within our firmwide infrastructure inventory, enabling our team to see which assets are incorrectly tagged, allowing us to retag them to the appropriate owners and saving the team excess inventory charges
- Led a Site Reliability Engineering workstream by collaborating with stakeholders and providing technical guidance to a group of 3 software engineers
- Drove the modernization of production monitoring by building out a tool that leveraged Jenkins, Python's Splunk and MSSQL libraries to gather statistics on our applications performance and display them in Tableau
- Deployed a Spring Boot web app on Cloud Foundry with a ReactJS front end and MariaDB database that enhanced our continuous monitoring tool set by creating a single point of access for all deployment information, developer statistics, health checks, JIRA tickets, and test coverage for our monolithic application
- Responsible for the maintenance and support of Active Directory Federation Services for 50+ consumer applications and for 10+ internal teams
- Launched improvements to our functional ID ADFS system to mitigate risk in production and improve stability in our lower environments

Mainframe Technology (CICS): Immersed myself in the mainframe field by participating in both cross-tower and CICS-specific training programs

- Leveraged Python to automate the creation of JCL code in order to improve efficiency when resolving change requests
- Created an alerting system that ran on the mainframe which gathered critical properties, posted them to a MongoDB Database, and sent out email alerts to aid in our upcoming audit

SKILLS

Languages: Python, Java, JavaScript (NodeJS)

Databases: MSSQL, MariaDB, MongoDB

Frameworks: Spring Boot, ExpressJS

Tools: Splunk, Cloud Foundry, Tableau, Alteryx, Adobe CS5(Photoshop, Bridge), Microsoft Office

Fluent in English and Spanish

EDUCATION

Binghamton University, SUNY, Thomas J. Watson School of Engineering and Applied Sciences

May 2018

Bachelor of Science, Computer Science, Cum Laude

GPA: 3.51/4.00

Honors/Awards: Upsilon Pi Epsilon International Computer Science Honor Society Member, Google Grace Hopper Travel Grant, Avon Foundation for Women Scholarship, Goldman Sachs Women's Leadership Conference

VOLUNTEER WORK

Microsoft TEALS Program

Queens, NY, **May 2020 – Present**

Classroom Volunteer: Work directly with high school computer science students while coaching the teacher to lead the course on his own by providing technical expertise and guidance in the classroom

- Taught in both English and Spanish (virtually) at the Pan American International High School in Corona, Queens
- Helped bridge the opportunity gap as part of the NY Public Schools CS4All initiative and inspired students to pursue STEM fields
- Developed communication skills by simplifying complex computer science concepts for high school students to understand

SUNY ATTAIN Lab

Binghamton, NY, **August 2017 – May 2018**

Volunteer Tutor: Worked with disadvantaged adults in the community to teach computer skills (basic to advanced) and assisted in curriculum development in different areas of computer skills