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Bethany Chen

NYC Metropolitan Area
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SKILLS & TECHNOLOGIES

- Certifications: AWS Certified Cloud Practitioner, HashiCorp Certified: Terraform Associate (002)
- Languages: Java, Linux, HTML/CSS/Javascript, C++, C, Python3, SAS, SQL
- Technologies: Autosys, Jenkins, Apache Cassandra, JUnit4, Terraform, Kubernetes
- Developer Tools: Git, JIRA, VS Code, IntelliJ, Maven
- Interests/Hobbies: Laser Cutting, Crocheting, Manga Editing, Dancing, Mechanical Keyboards

RELEVANT EXPERIENCE

JPMorgan Chase & Co., Jersey City, NJ

Feb 2023 – Present

Associate Software Engineer

- Managed and executed a comprehensive migration and virtual machine refresh project, transitioning RHEL 6.10 to RHEL 8.x by thorough validation of files on new servers and updates to Autosys jobs
- Performed end-to-end testing on the entire application within the new RHEL 8.x server environment, ensuring a seamless production handover as part of the migration project
- Achieved substantial cost savings of approximately \$80k from the server migration, reducing server-related expenses by 15%
- Collaborated effectively with my entire team to assist in the seamless migration of a Java 8 codebase to Java 11, contributing to enhanced system stability, improved performance, and heightened security
- Facilitated the consolidation of Java 11 changes from multiple branches across 20 repositories, ensuring a unified testing environment and resolving any potential merge conflicts, streamlining the migration process.
- Enhanced **Jenkins** pipeline functionality by designing and implementing enhancements, streamlining and optimizing the deployment process for specific code versions across production and test environments, increasing efficiency by 75%, reducing time spent from 2 hours to 30 minutes.

JPMorgan Chase & Co., Jersey City, NJ

Jul 2020 – Feb 2023

Software Engineer

- Led and orchestrated monthly code release cycles through the implementation of rigorous code lockdown procedures. Managed the end-to-end process, encompassing repository builds, comprehensive testing, and precise deployment across all business units in both testing and production environments.
- Streamlined an originally week-long process to a few minutes by implementing automation for adding Legal Entities/Fund IDs to a database

Lehigh University Bioinformatics Lab, Bethlehem, PA

Jan 2018 – May 2020

Research Assistant

- Maintained, deployed, and debugged a web app that extracted and presented the surface of proteins using AngularJS, implementing the deletion of objects and color changing
- Researched, studied, compared and contrasted machine learning algorithms, structures, and architectures to develop a software to help prove a thesis using TensorFlow that recognizes protein shapes and pockets
- Created bash and python scripts to download, organize, and analyze Protein Data Bank (.pdb) files

EDUCATION

Lehigh University, Bethlehem, PA

Class of 2020

Bachelor of Science in Computer Science, Minor in Music

- Relevant Coursework: Programming and Data Structures, Bioinformatics, Blockchain Algorithms and Systems, Artificial Intelligence Theory and Practice