

BrittanyChiu

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SKILLS

Technical Python, TypeScript, Java

Frameworks Angular, SpringBoot, Django

Platforms AWS, Azure

Databases PostGres, MySQL, MongoDB, DynamoDB

CERTIFICATION

2023 AWS Certified Solutions Architect – Associate

2022 AWS Certified Developer – Associate

2022 CompTIA Security+

EXPERIENCE

Capital One

Oct 2022 – Present

Senior Software Engineer

McLean, VA

- Added new functionality that pulled upcoming financial transactions between businesses, saved the data in a redux store, and then displayed the output on the front end UI using Angular
- Increased third party integration capability by leading discussions with Melio to extract upcoming financial transactions and API Metadata
- Ensured and met security standards of loan transactions by upgrading the SOAP requests to verify tokenization via Xpress
- Upgraded the SpringBoot application's auditlog package to send log data to enterprise streaming platforms to comply with company technology standards
- Oversaw the transfer of CNAME ownership from enterprise service accounts to team accounts to fit scope of compliance and tracking
- Implemented a new shared component that displayed customised messages on the UI for front end users to be aware of updates and changes made to data and transactions
- Created a component that displayed cashflow prediction analytics for small businesses on their account pages which allowed users to centralize all data in a single source
- Upgraded certificates, API calls, and remediated vulnerabilities for Java SpringBoot and Python Lambda applications to improve security and functionality
- Restored the functionality of Jenkins pipelines and implemented a bot to streamline Pull Request automation for inner sourced ACH notification code
- Designed wire fee migration process so that data used by the Finance team would be stored in an enterprise datalake instead of an unmanaged S3 bucket which increased holding capacity by 200
- Optimized the ACH notification code so that emails would be correctly grouped and sent to small business customers instead individual account holders

- Worked with Product Team to implement new changes in the ACH notification email content so that users would now have a timeline of 1-3 days to receive ACH payments
- Masked the confidential values for a user's tax id and social security number in Splunk logs to strengthen security and protect customer privacy
- Coordinated with adjacent/sister teams to remediate coding issues and advise solutions for code and pipelines
- Produced a Splunk dashboard for TreX (production failover process) so that developers can monitor traffic in east and west regions, track status codes, and generate reports for leadership and analytics
- Documented SOPs for new hires on how to set up local dev environments and gain access to required systems to get spun up quickly reducing wasted overhead by 50
- Mentored junior developers to get accustomed to current objectives, and taught proper coding practices and techniques
- Created pagerduty alerts to better react to application errors, monitor production resources and notify developers to solve issues reducing reaction time from a couple minutes to couple seconds

CACI

Jan 2021 – Sept 2022

Software Engineer II

Sterling, VA

- Appointed to be part of a tiger team for a technology stack refresh whose goal is to move from a monolithic code base to a Microservices architecture
- Designed a custom leaflet plugin that implemented a geospatial feature that added graphic mapping and customization
- Migrated the team's code development IDE from IntelliJ to VS Code after participating in a tiger team for choosing an alternative IDE to IntelliJ
- Created documentation for the code base and a guide to setup the development environment that is actively used by many developers
- Led a team of engineers to develop a logistics tracking system that will streamline the process to request, purchase, and track requisition order
- Review daily bugs by recreating deficits, narrowing down issues in the codebase, and fixing code shared by three teams

Textron Systems

Jan 2017 – Nov 2020

Software Engineer II

Sterling, VA

- Upgraded the SeeMed project to the newest version to Angular and added the ability to download from an S3 bucket containing brain imagery
- Coordinated and worked with Testers to find bugs and defects, and fix them within sprint cadence
- Automated the generation of API Swagger documentation and incorporated it into the build pipeline
- Implemented an API using Flask, Kafka, and GrayLog to process metadata and log messages
- Developed and deployed testing environments using Jenkins to build and maintain Docker images and virtual machines
- Created a serverless geospatial image conversion application using AWS's Lambda, Route53, Elastic Container Services, SQS, and S3 buckets, and developed a caching system using Node.js

- Prototyped a thin client version of Textron's flagship product RemoteView using AWS's Workspaces, Active Directory, and DynamoDB
- Refactored the User Interface of the Textron's newest geospatial web application written in TypeScript and Angular, as well as created the authentication layer in JavaScript
- Using OpenFire, revamped the chat component of a deployed software using XMPP and strophe.js
- Won 1st place in Textron's corporate hackathon, GEOHACK 2017, for developing a web and ALEXA application that displayed how safe an area is for travelers using georeferenced crime data, Twitter sentiment data, and Python

EDUCATION

Penn State University | *Bachelor of Science in Computer Science* **2012-2016**