

Brittany Chiu
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OBJECTIVE

Experienced full stack software engineer with 5+ years building and maintaining web applications and API's . Looking for a position to continue working on full stack applications as well as utilizing cloud infrastructure.

TECHNICAL SKILLS

- Programming Languages: Python, Java, C++, Bash, Powershell
- Web Development: HTML5, JavaScript, CSS, Typescript, Angular, AngularJS, Express, Node.js, Flask, React, Django
- Mobile Development: Swift
- Cloud Technology: AWS, Azure
- Database: MongoDB, PostGres
- DevSecOps: GitLab, Jenkins
- Other Technologies: Kafka, ActiveMQ, Kubernetes (K3), Puppet, Linux

EXPERIENCE

CACI, Sterling, VA

January 2021 – Current

Software Engineer II

- 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
- Modified 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, Sterling, VA

June 2016 – November 2020

Software Engineer II

- 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 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

Pennsylvania State University, State College, PA

August 2012 – December 2016

Bachelor of Science in Computer Science