

Christopher Akatsuka

Full Stack Developer



github.com/akatsukac



akatsukac.com



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Technical Skills

Code	<i>Fluent:</i> TypeScript, Python, Java, Bash <i>Proficient:</i> HTML, SCSS, SQL
Package Managers	Bower, Homebrew, Maven, NPM, Pip
Frameworks & Tools	Adobe Target, Agile, AWS, Angular, Chrome DevTools, Docker, Gatsby, Git, Jenkins, JIRA, Postman, React, Sauce Labs, Spring Boot, Webpack
Testing	Istanbul, Jasmine, Jest, JMeter, JUnit, Karma, Mocha, PhantomJS, Selenium

Achievements

Certifications	Amazon Web Services Solutions Architect, Capital One Secure Software Engineer
Patents	Document Text & Image Classification Pipeline (Application Pending)
Education	University of Pennsylvania <i>Philadelphia, PA</i>
May 2017	M.S.E. in Computer and Information Science
May 2016	B.S.E. in Computer and Information Science

Experience

Capital One

Plano, TX

Senior Associate Software Engineer

July 2018 - Present

- Served as tech lead for a team of 4 other software engineers with responsibilities such as reviewing pull requests, leading architecture discussions, and providing one-on-one mentorship sessions, resulting in 0 production defects.
- Converted a monolithic, blue-green deployment web app into dockerized Angular 7 micro frontends with on-demand production releases, reducing release times from 6 hours to 20 minutes.
- Rebuilt a business-critical Angular web app with loan funding requirements, document classification, and a PDFJS document previewer, resulting in a 15% increase in dealerships leveraging the web app over mail and fax.
- Architected and developed a Java Spring Boot REST API that allows Capital One funders to specify loan funding requirements directly to customers, reducing the number of applications with missing documents by 55%.
- Applied test-driven development, leading to 100% JUnit & Jest code coverage, JMeter performance tests that met business SLA's, and automated functional tests through Sauce Labs on all supported browsers.

Associate Software Engineer

July 2017 - July 2018

- Built an Angular web app that allows users to rectify misclassifications as part of a model retraining pipeline, helping to maintain a 99%+ accuracy benchmark and streamline the process from a multi-day effort into an hour-long task.
- Replaced a manual document classification process with an event-driven Python microservice pipeline on AWS that classifies 1 million documents per day in less than 10 seconds per page, saving \$6 million annually.

Goldman Sachs

New York, NY

Finance Data Engineering Intern

June 2016 - August 2016

- Created a microservice pipeline along with a validation tool in a proprietary language to transform raw position data, providing business analysts with datasets 5 hours earlier.

Market Risk Technology Intern

June 2015 - August 2015

- Developed a task scheduler, which utilized templates that specified tasks and their dependencies, in a proprietary language. Parallelization and optimization of dependency structures reduced daily run time by 3 hours.