

# Christopher Akatsuka

## Full Stack Developer



[github.com/akatsukac](https://github.com/akatsukac)



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### Technical Skills

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

### Achievements

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