

# Rob Tompkins

## Senior Consultant

- Apache Software Foundation Member. One of the owners of the Apache Commons Project.
- Apache VP for Jakarta EE Relations
- AWS DevOps, IAM, and Networking expert
- Helped in publishing CVE fixes to upstream code bases to Apache Struts in fixing Equifax databreach vulnerability (commons-fileupload).
- Regularly working on and releasing codebases upstream of Android, Apache Tomcat, Apache Spark, Apache Hadoop, Apache Maven, and more.
- Accelerated numerous Capital One projects in the CICD space, accommodating for faster production changes and larger revenue generation.

### Experience

2021-02 - present	<div><b>Patch</b> <i>Sr. DevOps Engineer</i><ul style="list-style-type: none"><li>• IAM manager for all of Patch</li><li>• AWS Multi-Tenant Account Setup</li><li>• Head of all DevOps and Release Management for team of 25 engineers<ul style="list-style-type: none"><li>• Managing GitHub, CircleCI, AWS, GCloud, EKS, and Network.</li></ul></li></ul></div>
2020-09 - 2021-02	<div><b>Senior Consultant</b> <i>Vertical Relevance</i><ul style="list-style-type: none"><li>• AWS Cloud Architect (Network, IAM, Multi-Account Strategy)</li><li>• PCI Data Compliance Specialist</li></ul></div>
2017-06 - present	<div><b>Apache Software Foundation</b> <i>Member</i><ul style="list-style-type: none"><li>• VP, Jakarta EE Relationship Manager</li><li>• Member of Apache Software Foundation</li><li>• Apache Commons Committer/PMC Member</li><li>• Fixed various CVEs</li><li>• Accelerated the release pipeline from 4 hours to 40 minutes</li></ul></div>
2020-09 - present	<div><b>Ambassador</b> <i>All Things Open</i></div>
2019-05 - 2020-09	<div><b>Staff Software Engineer</b> <i>WestCreek</i><ul style="list-style-type: none"><li>• AWS architect and engineer (multitenant)</li><li>• CICD architect and engineer</li><li>• Chief dev-tools engineer</li></ul></div>
2016-09 - 2017-06	<div><b>Apache Software Foundation</b> <i>Apache Commons Project, Committer</i><ul style="list-style-type: none"><li>• Introduced <a href="https://github.com/apache/commons-text">https://github.com/apache/commons-text</a>, including speaking at ApacheCon '17 on the subject.</li><li>• Contributed numerous patches</li><li>• Helped fix a serialization CVE with Apache Commons FileUpload</li></ul></div>
2018-06 - 2019-05	<div><b>Capital One</b> <i>Developer Tools, Lead Software Engineer</i><ul style="list-style-type: none"><li>• Migrated Capital One from using the Oracle JDK to the OpenJDK</li><li>• Started a 250 person InnerSoucing community of practice at Capital One with distinguished engineers from all corners of the company</li></ul></div>

### Personal Info

<b>GitHub</b> <a href="https://github.com/chtompki">https://github.com/chtompki</a>
<b>LinkedIn</b> <a href="https://www.linkedin.com/in/chtompki">https://www.linkedin.com/in/chtompki</a>
<b>Citizenship</b> U.S. Citizen

### Skills

Java	<div><div></div><div></div><div></div><div></div><div></div></div>
Open Source	<div><div></div><div></div><div></div><div></div><div></div></div>
DevOps	<div><div></div><div></div><div></div><div></div><div></div></div>
AWS	<div><div></div><div></div><div></div><div></div><div></div></div>
Diagnostics	<div><div></div><div></div><div></div><div></div><div></div></div>
Public Speaking	<div><div></div><div></div><div></div><div></div><div></div></div>
Spring / Tomcat	<div><div></div><div></div><div></div><div></div><div></div></div>
Maven	<div><div></div><div></div><div></div><div></div><div></div></div>
Gradle	<div><div></div><div></div><div></div><div></div><div></div></div>
Python	<div><div></div><div></div><div></div><div></div><div></div></div>
Docker	<div><div></div><div></div><div></div><div></div><div></div></div>
Kubernetes	<div><div></div><div></div><div></div><div></div><div></div></div>
Go	<div><div></div><div></div><div></div><div></div><div></div></div>
SQL	<div><div></div><div></div><div></div><div></div><div></div></div>

	<ul style="list-style-type: none"> <li>Standardized kubernetes deployment practices</li> <li>Lead direction for internal Java REST framework</li> </ul>
2017-07 - 2018-06	<b>Capital One</b> <i>CreditWise, Lead Software Engineer</i> <ul style="list-style-type: none"> <li>Accelerated platform delivery</li> <li>Migrated database from a datacenter to AWS</li> <li>Established multi-region resiliency</li> <li>Redesigned DevOps tooling</li> </ul>
2013-07 - 2017-07	<b>Capital One</b> <i>Card Servicing, Software Engineer</i> <ul style="list-style-type: none"> <li>Lead support for all of the card servicing environments both production and non-production</li> <li>Helped lead the migration from the Capital One datacenter to AWS for the Card Servicing website</li> <li>Triaged and debugged numerous high severity incidents</li> </ul>
2010-08 - 2014-06	<b>CapTech Consulting</b> <i>Consultant</i> <ul style="list-style-type: none"> <li>Standardized Virginia Worker's Compensation's legal docket system</li> <li>Performed business analytics for BonSecours health system</li> <li>Accelerated Lowes mobile platform with a Java RESTful orchestration tier</li> <li>Worked on the internal Java framework for Capital One</li> </ul>

## Certificates

2020-12	AWS Certified Solutions Architect
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## Education

2007-08 - 2009-06	<b>University of South Carolina, Mathematics, M.S. (focus in Logic and Computation)</b> <ul style="list-style-type: none"> <li>Worked in NP-Completeness.</li> <li>Published works on combinatorics on words.</li> <li>GPA: 3.8</li> </ul>
2002-08 - 2007-05	<b>Virginia Tech, Mathematics, B.S.</b> <ul style="list-style-type: none"> <li>Won the undergraduate prize for original mathematical research.</li> <li>Published works in combinatorics on words.</li> <li>GPA: 3.4</li> </ul>
2001-08 - 2007-05	<b>Virginia Tech, Engineering Science and Mechanics, B.S.</b> <ul style="list-style-type: none"> <li>Focus: Applied Physics and Biomechanics</li> <li>GPA: 3.4</li> </ul>

## Talks

2020-09	From no open source experience to Apache Member and PMC of Commons, ApacheCon 2020 ( <a href="https://www.youtube.com/watch?v=9q02zH0qKos">https://www.youtube.com/watch?v=9q02zH0qKos</a> )
2019-09	Apache Commons Beyond StringUtils - ApacheCon '19
2019-09	Apache Commons State of the Union - ApacheCon '19
2019-03	From no OSS contributions to Apache PMC in 16 months. - Apache DC Roadshow
2018-10	Getting Started with Open Source ( <a href="https://chtompki.github.io/getting-started-with-oss/#/">https://chtompki.github.io/getting-started-with-oss/#/</a> ) - Presented to the Richmond Software Engineering Users Group
2018-09	

	Getting Started with Open Source ( <a href="https://chtompki.github.io/getting-started-with-oss/#/">https://chtompki.github.io/ getting-started-with-oss/#/</a> ) - Presented Capital One's SECON Internal Conference
2017-05	Introducing Apache Commons Text ( <a href="https://chtompki.github.io/apachecon2017-text-presentation/#/">https://chtompki.github.io/ apachecon2017-text-presentation/#/</a> ) - ApacheCon

## Publications

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2010-06	C. R. Tompkins, The morphism with unstackable image words, preprint <a href="https://arxiv.org/abs/1006.1273">https://arxiv.org/abs/1006.1273</a>
2007	C. R. Tompkins, Latin square Thue-Morse sequences are overlap-free, Discrete Mathematics and Theoretical Computer Science, 9, 2007, 239-246