

Rob Tompkins

Senior DevOps Engineer

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

Personal Info

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

Certificates

2020-12	AWS Certified Solutions Architect
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Education

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

Talks

2020-09	From no open source experience to Apache Member and PMC of Commons, ApacheCon 2020 (https://www.youtube.com/watch?v=9q02zH0qKos)
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 (https://chtompki.github.io/getting-started-with-oss/#/) - Presented to the Richmond Software Engineering Users Group
2018-09	

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

Publications

2021-04	Drost-Fromm and R. Tompkins, "Open Source Community Governance the Apache Way," in Computer, vol. 54, no. 4, pp. 70-75, April 2021, doi: 10.1109/MC.2021.3058023. https://ieeexplore.ieee.org/document/9399942
2010-06	C. R. Tompkins, The morphism with unstackable image words, preprint https://arxiv.org/abs/1006.1273
2007	C. R. Tompkins, Latin square Thue-Morse sequences are overlap-free, Discrete Mathematics and Theoretical Computer Science, 9, 2007, 239-246