

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

2020-09 - present	Senior Consultant <i>Vertical Relevance</i> <ul style="list-style-type: none">• AWS Cloud Architect (Network, IAM, Multi-Account Strategy)• PCI Data Compliance Specialist
2017-06 - present	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
2020-09 - present	Ambassador <i>All Things Open</i>
2019-05 - 2020-09	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
2016-09 - 2017-06	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
2018-06 - 2019-05	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• 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

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>

- 2013-07 - 2017-07

- Established multi-region resiliency
 - Redesigned DevOps tooling

Capital One

Card Servicing, Software Engineer

 - 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

Consultant

 - 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

Education

- 2007-08 - 2009-06

University of South Carolina, Mathematics, M.S. (focus in Logic and Computation)

 - Worked in NP-Completeness.
 - Published works on combinatorics on words.
 - GPA: 3.8
- 2002-08 - 2007-05

Virginia Tech, Mathematics, B.S.

 - 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.

 - 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

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