

# Thilina Buddhika

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## Education

- **Colorado State University** **Fort Collins, CO**  
*Ph.D in Computer Science* *Sept, 2013 - Sept, 2018(expected)*
    - A member of the DBSec research group working on distributed systems security, especially on secure data stream management systems, event processing systems and information flow control models.
  - **University of Moratuwa** **Moratuwa, Sri Lanka**  
*B.Sc in Computer Science and Engineering* *2005 – 2009*
    - Graduated with a first class honors degree with an overall GPA of 4.02(out of 4.2).
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## Professional Experience

- **Colorado State University** **Fort Collins, CO**  
*Graduate Teaching Assistant* *Sept, 2013 - Present*
    - Preparing teaching materials for lab sessions, conducting discussion groups and grading.
  - **University of Oregon** **Eugene, OR**  
*Graduate Teaching Assistant* *Sept, 2012 - June, 2013*
    - Conducting lab sessions and grading.
  - **WSO2 Inc.** **Colombo, Sri Lanka**  
*Software Engineer* *April, 2009 - July, 2013*
    - Lead the WSO2 Identity Server team for one and half years delivering 2 major product releases and several minor releases.
    - Designed and implemented SAML 2.0 based single sign-on support and OAuth 2.0 support in WSO2 Identity Server.
    - Member of initial development team who engineered WSO2 Stratos - An open source complete Platform-as-a-Service implementation.
    - Implemented feature enhancements related to WS-Security, WS-Trust and platform security aspects of WSO2 Carbon platform.
    - Participated in several on-site and off-site client engagements helping with system deployments, fine tuning, trainings and proof of concept development.
    - Conducted trainings and workshops on SOA security.
  - **WSO2 Inc.** **Colombo, Sri Lanka**  
*Software Engineering Intern* *October, 2007 - April, 2008*
    - Implemented a JRuby binding for Apache Axis2.
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## Open Source Contributions

- **Apache Software Foundation**  
*Product Management Committee member and Committer, Apache Axis Project* *Jan, 2011 - Present*
    - Authored SAML 2.0 support for WS-Trust implementation in Apache Rampart.
    - Performance, documentation and test coverage improvements for Apache Rampart.
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## Awards and Merits

- **Google Summer of Code**  
*Apache Tuscany Project* *Summer, 2008*
  - Implemented Tuscany SCA support in Apache Geronimo application server .

*Apache Rampart*

*Summer, 2009*

- Improving the test coverage in Apache Rampart.

- **University of Moratuwa**

**Colombo, Sri Lanka**

- Earned placement in Dean's list in all seven semesters by maintaining a GPA over 3.8.
  - Ranked 5th in the batch (of 100 students) specialized in Computer Science and Engineering in 2009.
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## **Other Experience**

- **OASIS TOSCA Technical Specification Committee**

*OASIS - Topology and Orchestration Specification for Cloud Applications (TOSCA) Version 1.0*

*2011 - 2012*

- A member of the technical specification committee representing WSO2.

- **Google Summer of Code**

*Mentor representing Apache Software Foundation*

*2010*

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## **Technical Skills**

**Programming Languages:** Java, JavaScript, C, SQL, Shell Scripting

**Standards and Specifications:** SOAP, WS-\*, XML Security

**Operating Systems:** Linux, Windows

**Development Tools:** Git, Subversion, Ant, Maven

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## **References**

Available upon request.