

# Keheliya Bandara Gallaba

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## EDUCATION

### UBC

MASC IN COMPUTER ENGINEERING  
2014-2015 (expected) | Vancouver, BC  
Coursework:

- Software Engineering
- Program Analysis and Optimization
- Software Testing and Maintenance
- Programming Languages
- Distributed Systems

### UNIVERSITY OF MORATUWA

BSC IN COMPUTER SCIENCE &  
ENGINEERING

2007-2011 | Colombo, Sri Lanka

### ROYAL COLLEGE

1998-2006 | Colombo, Sri Lanka

## LINKS

Github:// [keheliya](#)  
LinkedIn:// [keheliya](#)  
Twitter:// [@keheliya](#)  
Blog:// [keheliya.blogspot.com](#)  
Home:// [ece.ubc.ca/~kgallaba](#)

## SKILLS

### PROGRAMMING

Good:

Java • Javascript • Node.js

Shell scripting •  $\text{\LaTeX}$

Intermediate:

jQuery • D3.js • Python • CSS • HTML

Basic:

C/C++ • Go • Racket • Ruby on Rails

Development Tools:

Maven • Ant • Git • SVN • IntelliJ IDEA  
LLVM

## MISC

### AWARDS

- High Distinction at the Australian National Chemistry Quiz 2003 & 2005
- Bronze Medal at Sri Lanka Physics Olympiad 2006
- Finalist at Sri Lanka Mathematics Olympiad 2006
- Manthan Award South Asia for e-Localization at New Delhi, India 2010
- Sun Certified Java Programmer 2006

## PUBLICATIONS

- **Don't Call Us, We'll Call You: Characterizing Callbacks in JavaScript**, Keheliya Gallaba, Ali Mesbah, and Ivan Beschastnikh. In *Proceedings of the ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM)*, 10 pages, 2015
- **Levi - A Workflow Engine Using BPMN 2.0**, Keheliya Gallaba, Umashanthi Pavalanathan, Ishan Jayawardena, Eranda Sooriyabandara, and Vishaka Nanayakkara. In *Web Information Systems Engineering - WISE 2011 and 2012 Workshops*, LNCS Vol. 7652, pp 118-130, 2013

## EXPERIENCE TEACHING & RESEARCH

### UBC SOFTWARE ANALYSIS AND TESTING LAB | VANCOUVER, BC

Jan 2014 - Present | Research Assistant

- Working with **Dr. Ali Mesbah** and **Dr. Ivan Beschastnikh** on asynchrony related issues and callback usage patterns in JavaScript applications.

Jan 2014 - Present | Teaching Assistant

- **EECE 310** Software Engineering (2013 Winter Term II & 2014 Winter Term I)
- **EECE 416** Software Testing and Analysis (2014 Winter Term II)

### UNIVERSITY OF MORATUWA | COLOMBO, LK

Sept 2010 - Sept 2011 | Visiting Instructor

- Mentoring, tutoring and evaluating students of **CS 2202/2212** Programming Challenge I & II courses.

## EXPERIENCE SOFTWARE DEVELOPMENT

### WSO2 | PALO ALTO, CA & COLOMBO, LK

April 2013 - November 2013 | Senior Software Engineer

- Development and support of open source middleware solutions for enterprise integration problems

December 2011 - March 2013 | Software Engineer

- Member - Integration Technologies Team
- Worked with WSO2 Business Process Server, Enterprise Service Bus, Identity Server & Governance Registry
- Experience with WS-BPEL & other WS-\* standards, SOAP/REST web services

February 2010 - August 2010 | Intern

- WS-BPEL, XPATH, XSLT, Apache ODE and Eclipse plug-in development

### GOOGLE SUMMER OF CODE | OPEN SOURCE CONTRIBUTOR

Jan 2011 - May 2011 | The Gephi Consortium

- Developed an automated Maven build to fasten the release process of Gephi, open source graph visualization and manipulation software. [[link](#)]

Jan 2010 - May 2010 | Apache Directory Studio

- LDAP diagnostic tool plug-in to Apache Directory Studio based on Eclipse RCP and PDE. [[link](#)]

## OTHER

Open Source Contributions | GraphViz, Ubuntu, Sugar Labs, GNOME and Miro

- Contributor in localization of FOSS projects including Ubuntu, Sugar Labs, GNOME and Miro - since January 2008. [[link](#)]
- Contributor to GraphViz Java API. [[link](#)]