Keheliya Gallaba

http://keheliya.github.io
keheliya@gmail.com | 604.600.4669

EDUCATION

UBC
MASc in Computer Engineering
2014-2015 | Vancouver, BC
Coursework:
- Software Engineering
- Program Analysis and Optimization
- Software Testing and Maintenance
- Programming Languages
- Distributed Systems
- Big Data 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 • 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
- Best Full Paper Award (ESEM '15)
- 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

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]

EXPERIENCE TEACHING & RESEARCH

UBC SOFTWARE ANALYSIS AND TESTING LAB | Vancouver, BC
Jan 2014 – Dec 2015 | Research Assistant
- Working with Dr. Ali Mesbah and Dr. Ivan Beschastnikh on asynchrony related issues and callback usage patterns in JavaScript applications.

Jan 2014 - Dec 2015 | 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.

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, **[Best Full Paper Award]**
- **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