Keheliya 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
- 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 • MEX

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

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 - 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.

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