

Shelan Perera

<http://shelan.org>

EDUCATION

KTH STOCKHOLM IST LISBON

MSC IN DISTRIBUTED COMPUTING
2014-2016 | [EMDC program](#)
GPA : 4.93/5.00

UNIVERSITY OF MORATUWA BSC IN COMPUTER SCIENCE & ENGINEERING

2007-2011 | [Moratuwa, Sri Lanka](#)

LINKS

Github:// [shelan](#)

LinkedIn:// [shelan-perera](#)

Stackoverflow:// [shelan-perera](#)

COURSEWORK

Implementation of Distributed Systems
Advanced Topics in Distributed Systems
Cloud Computing
Parallel and Distributed Computing
Network and Computer Security
P2P Systems and Overlay
Virtual Execution Environments
Middleware for Distributed Internet
Applications
Fault-Tolerant Distributed Systems
Mobile Computing
Philosophy of Science

SKILLS

PROGRAMMING

Java • Node.js • Javascript • Python
Shell • CSS • HTML • SQL • Android

OTHER

Docker • AWS & GCE (Cloud Computing)
Vagrant • Cassandra • Hadoop
Flink • Spark • Linux/MacOS • Maven
Git/SVN • SOA • OSGi

AWARDS

- Erasmus Mundus Category A Scholarship (Awarded for 6 applicants out of 175)
- 2nd place for solving Talkdesk challenge at StartupRush Lisbon.
- Young Innovator at ITU telecom 2011 in Geneva
- WSO2 stackoverflow superstar

EXPERIENCE

OPENRATIO | STOCKHOLM, SWEDEN

Jan 2016 – Current | [Enterprise Architect/Senior Software Developer](#)

- Design of the new architecture based on microservices to migrate from a monolith to facilitate efficient integration of customer requirements for mobile platform.
- Design of Identity management component with BankID and task scheduling component for user input based or time based push notification scheduling.

WSO2 | PALO ALTO, CA & COLOMBO

April 2013 – Aug 2014 | [Senior Software Engineer](#)

Dec 2011 – Mar 2013 | [Software Engineer](#)

Feb 2010 – Aug 2010 | [Software Engineer Intern](#)

- Worked in data and integration technology group participating in product research, development and release management tasks. Developed **Cassandra Explorer** to visualize data. (Worked with Enterprise Service Bus, Governance Registry, Business Analytics Server)
- Customer on-site consulting and support in USA & Europe including fortune 500 companies.

APACHE SOFTWARE FOUNDATION | APACHE ROLLER

July 2011 - Present | [Committer](#)

- Participating in open source development as a committer in Apache Roller.

GOOGLE SUMMER OF CODE | OPEN SOURCE CONTRIBUTOR

April 2011 - July 2011 | [Apache Software Foundation/ Apache Roller](#)

- Integrated mobile theme capabilities for Apache Roller blog Engine.

April 2010 - July 2010 | [Apache Software Foundation/ Apache Axis2](#)

- Integrated Peer to Peer transport layer for Apache Axis2 SOAP Engine.

RESEARCH

SICS SWEDISH ICT | MASTER THESIS RESEARCHER

Jan 2016 – July 2016 | [Container-based distributed reproducible experiment workflow](#)

Developed a **docker** based deployment model and a workflow for effective resource utilization and cost minimization for reproducible distributed experiments. [\[link\]](#)

KTH - DEPARTMENT OF ICT | DISTRIBUTED COMPUTING RESEARCH

Oct 2015 – Dec 2015 | [Reproducible experiment to benchmark Apache Spark and Apache Flink](#)

Developed a reproducible experiment to benchmark **Apache Spark** and **Apache Flink** batch processing and stream processing for big data inputs using Karamel orchestration engine. [\[link\]](#)

PUBLICATIONS

- [1] K. D. A. K. S. Perera, T. Kishanthan, H. A. S. Perera, D. T. H. V. Madola, M. Walpola, and S. Perera. Mahasen: Distributed Storage Resource Broker. Proceedings of the 10th IFIP International Conference on Network and Parallel Computing - Volume 8147, pages 380–392, 2013.
- [2] S. Perera, A. Perera, and K. Hakimzadeh. Reproducible Experiments for Comparing Apache Flink and Apache Spark on Public Clouds. oct 2016.