👤 Joshua Kissoon

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Education

- **M. Tech, Information Security (First Class)** (2014) *from* NIT Warangal, India.
- **B.Sc. (Distinction)**, **Computer Science** (2011) *from* the University of Guyana.

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Languages and Technologies

Programming: Java, PHP, AngularJS, Web Technologies

Working Knowledge: C, JS, JQuery, Python, CSS3, HTML5, GIT, C#, C++.

Operating Systems: UNIX, Linux

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Employment History

Software Engineer *at* Techlify Inc. (*September 2014 – present*)

Responsibilities

- Managing company projects
- Managing Interns development and workflow.
- Setting up company's software development structures and procedures.
- Research and design suitable solutions for complex projects.

Selected Projects

- Morgans Learning Center School MIS.
- LPC Power Company MIS.
- Mehran Auto Trading Web Application. (www.mehran.co.jp)
- GEA Online Licensing Platform
- BM Soat Sales MIS & Website.

Co-founder, CTO *at* Accrete Global Technology (*June 2013 – August 2014*)

Responsibilities

- Managing company projects
- Managing Interns development and workflow.
- Setting up company's software development structures and procedures.
- Research and design suitable solutions for complex projects.

Selected Projects

RapidKart: An E-Commerce web framework.

Software Engineer *at* Venus Global Communications Inc. (*April 2011 – March 2012*)

Responsibilities: Build Interactive Web applications Using Drupal, PHP, MySQL, HTML, CSS, JS.

Selected Projects

- Coco Blanca (www.cocoblanca.com): E-Commerce website selling the products of coco-Blanca.
- ICPI (http://icpi.org)

Junior Software Engineer, University of Guyana (*June 2010 – Nov 2011*)

Responsibilities: Develop web applications to service staff & students in their day-to-day activities.

Other Employment

Volunteer teacher, MLC (*Oct 2011 – May 2012*)

Freelance Software Engineer; Selected Projects:

- **AutoMngr (Java):** Desktop application that manages an Auto Dealer business.

- **MLC**: A school management information system that manages student's register, payments, attendance, subjects, teachers, emailing, etc. http://morganslearning.com

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Projects/Research

Distributed Social Network architecture

M.Tech Research project aimed at researching and designing a Distributed Social Network to help solve security and privacy issues in current social networks.

Improved DHT for DOSNs

An extension of my masters' research project focused on designing a DHT for decentralized online social networks with improved performance over Generic DHTs.

Mitigating HTTP Session Hijacking

B.Sc. Project based on researching a mechanism to mitigate HTTP Session Hijacking. I've built an Apache module that helped mitigate Session Hijacking.

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Open Source Projects

Kademlia: A Java implementation of the popular Kademlia distributed hash table and routing protocol.

Sweia: A lean and lightweight PHP framework that has evolved to be an API building architecture with the main aims being to facilitate teamwork, re-usable code and being a clean modular codebase for starting a web application. http://goo.gl/nh25Fo

Kademlia: An implementation of the Kademlia DHT and routing protocol. http://goo.gl/QGe3zf

Other Projects

- **JThreadLib (C)**: Built a Linux thread management library for my Advanced Operating Systems course.

- **Peromy (PHP)** (peromy.com): Productivity Web Application I've built to manage tasks (to-do) list.

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Community Contributions

- Technical Blog: gleamly.com
- Stack Overflow: stackoverflow.com/users/802742/joshua-kissoon
- GitHub Projects: github.com/JoshuaKissoon

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Personal Interests

Academic: Information Security, Software Systems Architecture, Parallel & Distributed Computing, Operating Systems, Software Engineering

Sports: Cricket, Football, Table Tennis, Martial Arts, Swimming.

Others: Billiards, Making Kites, Fishing, Eating, Cooking, Teaching, History.

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Referees

- **Mr. Malcolm Williams**: Lecturer, Dept. Computer Science, University of Guyana. +5926461444.

- **Prof. B. B. Amberker.** Professor, ACM Fellow, Dept. Computer Science & Engineering, NIT Warangal. bba@nitw.ac.in

- **Mr. Lenandlar Singh**: Head of Department, Dept. Computer Science, University of Guyana. +592-6392037.