

Loren Klingman

PROFILE:

Detail oriented software developer who loves translating the big picture into code. The best part of my day is hearing user's excitement about something I helped create.

Skilled in working with the full stack of software delivery from architecting new features, database queries, server-side code, and services on GCP/AWS to client-side code and continuous integration.

SKILLS:

GCP Certified Cloud Architect	HTML5, CSS, JS	Amazon Web Services
PHP (Laravel, Yii Framework)	jQuery, AngularJS, React	Jenkins and Travis Continuous
Java (Springboot)	Git, GitFlow	Integration and Delivery
MySQL, SQL Server	Elasticsearch	Node.js, Python

EXPERIENCE (PAID):

Slalom, Atlanta, Georgia January 2018-Present

Consultant, Team Anchor (Springboot, React, GCP, Jenkins)

- Provide code reviews and assistance to our developers to ensure quality, tested code
- Work with PM and UX to ensure stories are ready for IPM
- Contribute to and organize inter-team architecture discussions

Georgia Tech, Atlanta, Georgia August 2016-December 2017

Research Team Member (Java)

- Architect a system using Google BigQuery and the GitHub API to obtain and analyze maven dependencies for over 100,000 repositories
- Architect and develop a system to analyze code changes made when upgrading maven dependencies
- Develop a system to automatically generate test cases for changed Java classes in pull requests and create a prioritized report of potential regression errors

Duke TIP @ Georgia Tech, Atlanta, Georgia June-July 2017

Instructor, Artificial Intelligence (Python)

- Design a course to teach rising 9th – 11th grade students about AI using exercises in Python
- Teach two 3-week summer sessions with 19-20 students each

The Southern Baptist Theological Seminary, Louisville, KY July 2014-August 2016

Manager of Data and Analytics (PHP, Laravel, AngularJS, SQL Server, AWS, Elasticsearch, Jenkins)

- Work with end-users to determine needs and implement their requested features
- Architect solutions for joining and caching data between various internal and external systems
- Create automated scripts to correct data inconsistencies and sync data between systems
- Implement continuous delivery using Jenkins and software validation tools
- Design and implement an Elasticsearch datastore and EC2 gateway for iPhone app content delivery

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International Nonprofit, Richmond, VA, Working in Thailand July 2011-July 2013
Web Programmer (PHP, MySQL, Bootstrap, jQuery)

- Design and implement custom content management systems using PHP and Expression Engine for 7 affinity and 4 story websites given user requirements
- Work remotely with designers to implement their designs as responsive templates

TigerPaw Productions, Clemson University, Clemson, South Carolina December 2008-June 2011
Director of Technology Development (PHP, Yii, jQuery)

- Architect and support an event and employee management system for over 1,000 crew calls per year, 500 employees, and 250 events per year
- Supervise two employees assisting support the system
- Implement a second instance of the system to support crew calls for night security and transportation

EXPERIENCE (UNPAID ACADEMIC RESEARCH):

Diagnostic Research, Clemson University, Clemson, South Carolina August 2013-May 2014
Research Team Member (R, MySQL, Shiny Server)

- Analyze large amounts of diagnostic data to discover the root cause of system failures
- Create a system to allow exploratory analysis of the data of possible failure causes

Creative Inquiry in Tablet PCs, Clemson University, Clemson, South Carolina August 2008-May 2011
Research and Programming Member, Honors Research Project (PHP, MySQL)

- Work in multiyear, cross-disciplinary project with the School of Nursing
- Architect and build software to aid nursing students in learning to use electronic health records which was used in introductory nursing classes
- Research methods to teach people to use new software through a familiar environment

OTHER EXPERIENCE (PAID):

TigerPaw Productions, Clemson University, Clemson, South Carolina August 2008-May 2009
Associate Production Director for Tillman Auditorium

- Develop and implement a training program for 30 employees
- Manage scheduling and payroll for about 260 events
- Lead a team comprised of sound and lighting engineers working with event planners

EDUCATION:

Clemson University, Clemson, South Carolina August 2013 – May 2014
Master of Science (Thesis), Computer Science GPR 3.80/4.00

Clemson University, Clemson, South Carolina August 2007 - May 2011
Bachelor of Science, Computer Science GPR 3.97/4.00

ACTIVITIES:

- Small group leader, Lamp City Church
- Contribute to open source software: <https://github.com/loren138>
- Join the MARTA Hackathon: <https://github.com/loren138/martaOptimize> and <https://github.com/loren138/martaio>