RYAN PETRELLO

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PROFILE

A nimble technologist who specializes in great user experiences, dynamic languages, and web application development. Experienced in the implementation, deployment, and maintenance of online software in an agile environment.

EXPERIENCE

Director of Web Engineering   Atlanta, GA
Pictage, Inc   Nov 2010 - Present

In 2010, ShootQ was acquired by Pictage, Inc.

Lead groups of software engineers in the development of web software and services for professional photographers. Balanced a variety of roles, from chief architect/project lead, to systems developer, to guarantee consistent product quality and high service availability across our product line. During this time, I worked extensively on the design, implementation, and deployment of several products:

- **ShootQ -** A web service used by photographers to manage their business and CRM data. Worked with a variety of technologies to solve unique problems from caching and document storage in MongoDB to an asynchronous message passing system for distributing asynchronous work.

- **Nimbus** and **Atrium** - A unified "website/blog" and "customer identity" platform used by photographers to establish online presence for their businesses. Designed and implemented a "single sign-on" framework that was used by all of our products for shared customer authentication.

- **Pictage P3 -** A low-cost payment processing and collection system used by photographers for scheduling and collecting recurring payments associated with weddings and portrait sessions.

Lead Software Developer   Atlanta, GA
ShootQ, Inc   Dec 2007 – Nov 2010
Played a pivotal role in the design and implementation of ShootQ and the management of ShootQ's production architecture, including the implementation of monitoring systems to ensure high availability, deployment scripts, and resolving defects. Assisted in the maintenance, defect resolution, and data migration of legacy versions of ShootQ.

Software Development Intern   Alpharetta, GA
Optio Software   May – Aug 2007
Worked on the development of a new product while gaining experience working with the Python web application framework, TurboGears, and the Python database ORM layer, SQLAlchemy. Carried out the roles of an analyst/DBA, analyzing query performance and adjusting database and application architecture to enhance performance.

Computer Science Teaching Assistant   Carrollton, GA
University of West Georgia   Spring – Fall 2007
Led group training sessions and aided various department instructors during weekly workshop sessions and tutorials. Tutored undergraduate students in the Computer Science department's "CSXperience Lab", helping students to understand and review concepts and assignments discussed in class.

EDUCATION

University of West Georgia   Carrollton, GA
Bachelor of Science, Computer Science, cum laude   Sept 2004 - Dec 2007
• Hope Scholarship Recipient, 2004-2007

OTHER WORK AND ACTIVITIES

• *Presenter*, PyCon 2011, Distributed Tasks with Celery
• *Officer* (Treasurer), Association for Computing Machines, Student Chapter, Fall 2007
• *Member*, Association for Computing Machines, Student Chapter, Fall 2006 – Spring 2007
• *Member*, Upsilon Pi Epsilon – International Honor Society for the Computing Disciplines