# Sarah KWAK

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## > LANGUAGES AND TECHNOLOGIES

- **Proficient:** Ruby, Rails, JavaScript, jQuery, SQL, PostgreSQL, Git, Heroku, HTML5, HAML, CSS3, Sass, RSpec, Factory_Girl, Capybara, Jasmine, Redis, Sidekiq, CircleCI, Test Driven Development (TDD), Agile
- **Exposure:** ReactJS, Node.js, MongoDB, AWS (S3)

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## > PROFESSIONAL EXPERIENCE

**Propel(x) | Software Engineer | San Francisco, CA**                                   Jan. 2016 - Nov. 2016

- Increased management capacity by >500% of account managers through scaling internal portal utilizing Ruby on Rails to verify startup status, trigger various mailers and automatically send notifications.
- Shipped 100+ user-facing features, writing tests in RSpec, and fixing bugs with Rails, external APIs, and JavaScript libraries ensuring CircleCI signal remained green.
- Led backend redesign of company's investing platform which resulted in weekly signups increasing by 2X, building the web app with modular code written in Ruby on Rails, HTML5 and CSS3.
- Improved Rails application loading times by over 20% by implementing page caching and eager loading.
- Developed user portal for deep science startups to launch fundraising campaigns, with RESTful API backend constructed using Ruby on Rails to manage deal activity.
- Provided solid advice on 100% of happy hour beer selections and ethusiaticially promoted local breweries.

**Babcock International | Submarine QA Auditor | Victoria, BC**                          Oct. 2011 - Mar. 2014

- Managed 40+ quality, safety, environmental and security audits on stationed Victoria submarines, ensuring testing and calibration of all mechanical materials.
- Reviewed and approved major purchasing orders of over $2,000,000 to assure material quality on submarines.
- Analyzed surveillance audits of Fortune 500 companies to maintain supplier legal + contractual requirements.

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## > RECENT PROJECTS

**Here for You | Software Engineer | live | code**                                              Oct. 2016

*Platform for helping women who experience violence in the workplace by providing expert advice from volunteer mentors*

- Integrated Slack bot through Api.ai for friendly incident reporting process and depending on the chat result, a user will either redirect to the main app to complete the report or connect to one of volunteer mentors.

**FavoriteTruckSF | Software Engineer | live | code**                                            Nov. 2015

*Service for food truck lovers to track their favorite trucks based on user location and allow for reviews to be left and read*

- Architected PostgreSQL database to store ~600 unique trucks from DataSF API integrated into Rails backend.
- Incorporated Google Maps API to geolocate food trucks and position them based on current user's location.
- Constructed user review functionality (staring and commenting) utilizing Ruby on Rails and JavaScript.
- Enabled Facebook authentication through OAuth to reduce steps in the registration process by 50% for users.

**Teach Brian to Code | Software Engineer | live | code**                                  Feb. 2015 - Present

*Tech blog on computer science fundamentals chronicled through myself and my dog Brian's web development journey*

- Deployed web platform with 35+ articles focused on Ruby on Rails and JavaScript fundamentals, object oriented design, system architecture, data structures and algorithms.

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## > EDUCATION

**M.A. Commerce,** *University of New South Wales*                                                 Aug. 2009
**B.S. Chemistry,** *Sang-myung University*                                                        Mar. 2002

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## > QUALIFICATIONS

**CAPM,** *Certified Associate in Project Management, PMI*                                          Feb. 2013
**ISO 9001 Quality Assurance Lead Auditor,** *BSI*                                                  May. 2013