

MICHAEL BATCHELOR

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PROFILE

Lead Software Engineer with over 7 years experience in Enterprise and Startup software applications. Diligent to deliver efficient quality code, utilizing TDD and XP methodologies. Expert in translating product requirements into actionable tasks, allowing projects to consistently achieve milestones.

EXPERIENCE

NationBuilder

2/2014 - Present

Lead Software Engineer

- Lead team to build a scalable system to support millions of incremental changes per day, and manage hundreds of millions of relations between multiple customer databases.
- Pioneered adoption of message driven architecture on Amazon SNS and Amazon SQS, to process and track changes occurring across all customer databases.
- Micro-service to generate, print, scan, and extract printed survey responses from political campaign canvassing.
- Lead team to build monthly recurring revenue calculations, with dynamic filterable graphs.
- Rebuilt JavaScript search subsystem to dynamically filter any combination of criteria.
- Various SQL performance tuning.
- Open source Atom.io package (atom.io/packages/go-to-view)

iOS Development

4/2015 - Present

Freelance

- iOS universal application in Swift news aggregator, using customized squarified treemap algorithm.

Prept.co - Washington, DC

4/2013 - 3/2014

Co-Founder/CTO

- Scheduling platform for online video interviews.
- LAMP environment on Amazon Web Service.
- Amazon SES, LinkedIn API, Stripe API, and OpenTok Integration.

SRA international, Department of Justice - Washington, DC

7/2011 - 2/2014

Senior Software Engineer

- Lead architect for case management system. Requirements gathering, process improvement, web service architecture and implementation, user interface components and technology, business logic and data schema.

- Near real-time data synchronization engine using an ontology configuration to manage mapping and translations between an Oracle databases and a graph database.
- Ontology-driven query builder to programmatically build and execute SPARQL on the graph database.
- Google Web Toolkit application for traversing graph data in tabular, visual graph and geo-location formats.
- Mobile application prototype with Sencha Touch JS framework to view and monitor payment requests.
- Performance analysis of the application, database, network, operating system and data storage.

SRA International, Department of Justice - Washington, DC

12/2009 - 7/2011

Software Engineer

- Managed software development releases process for test and production.
- Contributed fixes to quarterly patches for existing bugs and customer requests.
- Provided support for issues, database investigations, and environment issues.

General Dynamics, Department of Defense - Fair Lakes, VA

5/2008 - 6/2009

Software Integration and Test Engineer

- Full development lifecycle, and released formal builds for weekly testing.
- RedHat Linux installation and system administration, hardware testing, COTS application installation.
- Automated manual system installation process.

EDUCATION

Bachelors of Science in Computer Programming - Chapman University - Orange, CA

5/2008

CERTIFICATIONS

Sun Certified Java Developer - Java 6

5/2011

SKILLS

Languages	Ruby, Java, Javascript, Swift, SQL, HTML5, CSS/SCSS
Frameworks	Rails, ActiveRecord / Arel, jQuery, Rspec, Sinatra, Bootstrap, UnderscoreJS, Handlebars, JasmineJS, SenchaTouch, Jersey, Spring MVC, JUnit, Hibernate, Vaadin
Tools	PostgreSQL, Git, GitHub, VIM, Redis, MongoDB, Memcached, Resque, NewRelic, CodeClimate, TravisCI, Kibana, Honeybadger, AWS, S3, SQS, SNS, Grunt, Trello, Atom, LucidChart, Balsamiq, Oracle DB, Maven, Jenkins, WebLogic, Apache HTTP Server, Tomcat