

# Jason Clark

E-mail: [Jason@JJJasonClark.com](mailto:Jason@JJJasonClark.com)

**About:** Software engineer continuously striving to learn and improve. Then use what I learn to improve the team I work with and the products I work on.

**Languages:** C/C++, CSS, C#, Go, HTML, JavaScript, Ruby, Shell, SQL

**Degree:** BS in Computer Science from University of Houston

## Highlights:

- Created monoliths, microservices, and single page applications (SPA)
- Client side in React, Angular, Bootstrap, Material-UI, and others
- ChatOps experience creating Slack and Facebook Messenger chat bots
- Serverless experience with AWS Lambda, Google Functions, WebTasks, and other hosts
- Created APIs via REST, RPC, and GraphQL secured with OAuth2, JWT, HMAC signing, and tokens
- Experience with SQL and NoSql databases: Postgres, Mysql, Redis, RethinkDB, Solr, MongoDB, DynamoDB
- Experience with build tools such as Glup, Make, Rake, Webpack
- Understanding of design patterns, SOLID principles, Functional programming (FP)
- Experience with full app life cycle from conception to maintenance
- Server side in Go, Javascript (Node), Ruby (Rails, Sinatra), and C#
- DevOps experience with cloud providers like AWS, Digital Ocean, Rackspace, and Linode
- Containers experience with Docker, Docker-compose, Kubernetes, and AWS ECS
- Worked with eventing and streaming systems with Kafka, RabbitMQ, ZeroMQ, Websockets, and Firebase
- Experience with CI/CD using Jenkins, CircleCI, Semaphore, Team Foundation (TFS)
- Experience with Agile methods - TDD, BDD, pair programming, scrum, kanban
- Worked remotely for 5+ years

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Recommendations available on LinkedIn at  
<https://www.linkedin.com/in/jjasonclark>

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## Experience:

**Senior Software Engineer** Park Assist 6/2016 – 8/2017

Generalist development touching many aspects of the business. Developing monoliths, services, and SPAs deployed to Kubernetes, AWS Lambda/Step/Batch, and S3. Working on both new and existing applications used to handle operations, monitoring, and analytics of camera based parking garage IoT monitors. Back-end in Ruby and JavaScript. Front-end in React and jQuery.

- Dockerize and move many applications to Kubernetes
- Create over 20 Lambda functions and services
- Made several Slack chatops commands supporting operations
- Reduced cost of AWS operations by 3%

**Senior Software Engineer** Par8o 6/2014 – 6/2016

Enhance and maintain health care web application. Doing full stack development with Angular.js, Bootstrap, and jQuery on the front-end and Ruby on Rails on the back-end hosted on AWS deployed with Chef. Use many databases; MySQL, Redis, Solr, and Firebase. Upgrade dependencies for many frameworks. Enhanced site with live updates via Websockets.

- Created Github webhook responder to Slack bot workflow helpers
- Created OAuth2 provider used by mobile and 3rd party apps
- Created larger composed app from several single page apps (SPAs)
- Supported IE 8 compatibility

**Senior Software Engineer**                      Barclaycard                      6/2012 – 6/2014

Create white-labeled applications and maintaining existing ones. Using Rails and Sinatra with Ruby in a TDD environment doing mostly pair programming. Primary application is white-labeled "deals" or "coupon" shopping sites and related backend services. Standard tasks include feature implementation, security improvements, code cleanup, reporting, bug fixes and interviewing. Additional DevOps for cloud servers; chef deploys, rollbacks, one-off fixes, script updates.

- Created Vagrant based developer VMs
- Integrated new credit card processor
- Upgraded Rails from 2.3 to 4.0

**Senior Software Engineer**                      Hitachi Data Systems                      3/2010 – 5/2012

Developer working on the Universal Compute Platform; a management solution for cloud based computing. Responsible for developing in the TDD style in a pairing environment on infrastructure, UI, and networking teams. Also write functional specs, perform code reviews, and teach API usage.

- Implemented multi-tenant user system with role-based access control (RBAC) system
- Created generic data access layer (DAL) for applying business rules on data
- Enhanced build system to support unlimited configurations without redeploy
- Optimized for performance LINQ queries and SQL Sprocs application wide
- Created Node.js app to facilitate build out and validate of hardware appliance

**Builder**                      Microsoft                      5/2009 – 3/2010

Builder/Tester for security tools group. Worked on setting up the build environment and creating deployment scripts for web applications. Created framework for testers to test a series of WCF services and line of business web application. Wrote documentation and sample test cases using the framework.

- Setup 5 projects for nightly build and test on TFS server
- Created reusable deployment scripts for 3 web and SQL applications
- Created end to end automation for a line of business web site using WatiN

**Senior Software Engineer**                      Microsoft                      6/2005 – 3/2009

Developer in multiple teams: native install package for the Windows SDK and security developer on Internet Explorer. Created and updated business logic in CMS web site. Converted the packaging system to a newer technology. Security developer analyzing externally reported security bugs and hacks.

- Optimized the build to reduce build time by half; completing in 24 hours instead of 48
- Enhance and maintain CMS web sites for security exploits
- Created database validation system and implemented many rules as stored procedures
- Created custom binary installer action for MSI
- Created a scriptable HTTP server able to send correct and malformed responses
- Created tools to auto-create exploit reports in multiple systems
- Developed libraries and code-snippets used by testers to create automated test for Internet Explorer