

# Adnan Chowdhury

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## Objective

To work within a company that makes full use of its employees' talents and will challenge them to grow and learn; all the while staying on top of current trends and new technologies.

## Skills

### Languages

JavaScript, HTML5, Jade,  
SASS/CSS/LESS,  
Ruby, Puppet, Chef  
C#/C++/C, Java,  
Clojure, Lisp  
SQL/T-SQL,  
Windows PowerShell,  
Bash

### Development Tools

Vim, Tmux, Eclipse, Visual Studio,  
node.js, npm, rbenv,  
Git, Mercurial, Subversion,  
Jasmine, Mocha, rspec, puppet-spec,  
xUnit, NUnit, MSTest,  
GCC, GDB, Make,  
JIRA, Confluence, Trello,  
Bamboo, Jenkins, Travis-CI

### Various Tools & Technologies

HAProxy, Nginx, httpd, ExpressJS,  
MongoDB, Elasticsearch, PostgreSQL,  
Redis, RabbitMQ,  
Microsoft SQL Server,  
OpenStack, VMware vCloud,  
DigitalOcean, Amazon EC2,  
cURL/Wget, Firebug, Bootstrap,  
Ruby on Rails, Ember.js,  
Puppet, Chef, Logstash, Sensu, Kibana,  
IRC, Cowsay, GIMP

## Experience

### **88 MPH Inc., President, Full-Stack Developer** *Miami, FL* (August 2014 - Present)

- Corporation created to manage web development projects.
- Development projects include landing pages for companies, web applications and blogs
- Applications Implemented with Client-Side JS framework Ember.js, MV\*/MVC architecture
- Full-stack JS Backends implemented w/ Express + Node.js + MongoDB
- Employed use of templating languages including Jade, Handlebars and Mustache
- Fully-responsive solutions for mobile browsers (Bootstrap, jQuery)

### **Ultimate Software, DevOps, Site Reliability Engineer (Contract)** *Weston, FL* (March 2014 - August 2014)

- Wrote and maintained Opscode Chef recipes (Ruby)
- Unit tests: Kitchen + rspec; Berkshelf
- Administrated OpenStack environment for team and outside dev teams
- Built scalable monitoring and logging solutions including ELK stacks (Elasticsearch + Logstash + Kibana) and Sensu Monitoring stacks (RabbitMQ + MongoDB + Redis + Graphana)
- All solutions included redundant configurations and were load-balanced (HAProxy) for scalability

### **IPC: Independent Purchasing Cooperative, Software Engineer** *Miami, FL* (March 2012 - December 2013)

- Administrated Continuous Integration environments
- Atlassian Bamboo CI Server; Puppet used for config. management; VMWare vCloud private cloud
- Demonstrated Puppet as Configuration Management solution; Took lead, built and maintained Puppet code base with sub-team. Tests written w/ puppet-rspec. VCS: Mercurial (Hg)
- Strict-following of TDD and Agile practices
- Flagship application 'SubwayPOS' implemented in C# (.NET)
- CI Server: Atlassian Bamboo, private cloud solution: VMWare vCloud
- Responsibilities also included maintaining project code (C#), writing Ranorex UI Automation (C#), and writing various automated scripts via Windows PowerShell

### **Ultimate Software, Automation Tool & Test Engineer** *Weston, FL* (June 2010 - March 2012)

- Worked with SaaS Network Operations Center team to automate maintenance processes and conduct automated testing via tools such as FitNesse, MSSQL Jobs, Windows Powershell.
- Windows PowerShell used with web development tools (cURL, Wireshark) to debug and perform root cause analysis.
- Worked with MSSQL Server 2005/2008 and Profiling tools to debug and implement reporting and monitoring solutions.

- Maintained thousands of live customer-facing servers hosting flagship ULTIPro software.

## Interests

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### HTML5 Games

- Built several HTML5 Games by utilizing HTML5 Canvas element with JavaScript
- Followed JavaScript module pattern to modularize and organize code more efficiently
- Unit tests implemented with Jasmine testing framework; Graphic design done with GIMP
- Participated in Ludum Dare #28; “One Bullet”, Won #12 in Humor Category (out of 2063)
- Code available on GitHub

### Embedded Systems Programming (Nintendo DS)

- Utilized open-source C library “libnds” to implement games and demos for the NintendoDS.
- Implementation required use of GCC, GDB and C programming language
- Low-level CPU management and Memory Mapping & Allocation required to meet hardware-specific limitations.
- Code available on GitHub

### Links

- <http://adnan-chowdhury.com>
- <http://github.com/bttf>
- <http://blog.chewbonga.com> (Development blog)

## Education

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### FLORIDA STATE UNIVERSITY *Tallahassee, FL* (2007-2011)

- Bachelor of Arts, Computer Science. Minor: Humanities