

# DAVID HAMP-GONSALVES

SENIOR DEVELOPER & CODE ENTHUSIAST

## EXPERIENCE

present  
|  
2016

### Senior Software Engineer

Opencounter

📍 Halifax (remote)

- Architected and built Postgis/MapBoxGL based rules engine which models city zoning legislation.
- Refactored 115k LOC from our legacy GIS system into our modern main code base.
- Collaborator on a successful React based, partial rewrite of our main system.
- Lead multi-team project to develop a Cypress based automated test suite.

Technical Environment: React.js, NodeJS, MapboxGL, Ruby/Rails, Postgres, Cypress, Terraform.

2016  
|  
2014

### Senior Software Engineer

GoodGuide

📍 San Francisco

- Worked on incremental replacement of Backbone.js based UI with React.js.
- Project multi-team project for Earth Day Amazon partnership.

Technical Environment: React.js, Ruby/Rails, Postgres, HaProxy.

2014  
|  
2012

### Senior Consultant

NTTData

📍 Halifax

- Architected Backbone.js based application to replace and improve upon existing legacy system.
- Guided global team members in transitioning to a client side architecture.

Technical Environment: Backbone.js, Jasmine.js, Coffeescript, SpringSource, Tomcat.

2012  
|  
2008

### Senior Java Developer

Sumtotal Systems

📍 Toronto (Remote)

- Designed and implemented features and improvements for multiple enterprise sized applications.
- Proposed and implemented realtime tracking, deployment and notification system for test environments.

Technical Environment: Weblogic/Websphere, SpringSource/Wicket, MSSQL/Oracle, JUnit.

2011  
|  
2011

### Technical Consultant

We Can Pretend

📍 Toronto

- Architected and built a interactive media streaming service to power MMP jeopardy-style games.
- Documented technical requirements, time lines and staffing guidelines for realizing product offering.

Technical Environment: Wowza Media Server, Adobe Flex, Javascript.

2008  
|  
2007

### Test Analyst

CIBC

📍 Toronto

- Worked cohesively with other developers and team members to plan, design and implement multi-system automated tests which simulate multiple users and roles.

Technical Environment: VB, Quick Test Professional.

## PROJECTS

### Solar Game of Life

Solar powered, e-ink based version of Conways Game of Life which uses the ULP processor of a ESP-32 to poll charge levels to determine when to calculate the next cell generation.

### E-Ink Life Dashboard

Low power, E-Ink dashboard for every day life running on a hacked Kindle and back by custom GoLang code running on AWS Lambda and orchestrated using Terraform.

### Live RSS Bookmarks

13 year old Chrome extension that adds Firefox like RSS/Atom handling. At its peak it was the only tool of its kind and had 15k active users.

## EDUCATION

2003  
|  
2007

### Bachelor of Technology (Software Development)

Seneca College of Applied Arts and Technology

📍 Toronto, Canada

## CONTACT

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## SKILLS

Javascript / NodeJS

Ruby / Rails

React.js

Java

Terraform

PostgreSQL

Redis