DAVID HAMP-GONSALVES

SENIOR DEVELOPER & CODE ENTHUSIAST

I am a seasoned full stack engineer with a 16 year track record of delivering innovative software solutions.

Some of my achievements include refactoring a 100k LOC mission critical legacy system into our main code base, leading a cross functional team in developing a Cypress based automated test suite and mentoring junior developers into the next stage of their careers.

I am passionate about lifelong learning, challenging problems and weighing the merits of outside of the box solutions.

CONTACT

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SKILLS

Javascript / Typescript
Ruby
Go
Java

React.js

Terraform
PostgreSQL
Redis

💼 EXPERIENCE

Senior Software Engineer
present — 2016

Opencounter 📍 Halifax (remote)

- Architected and built a GIS based rules engine for realtime zoning ordinance visualisation.
- Refactored mission critical legacy system into our main code base integrating with existing translation and OKTA systems.
- Led cross-functional team in developing a Cypress based acceptance test suite.
- Core member of project to migrate our flagship offering to a React based, client side architecture.

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

Senior Software Engineer
2016 — 2014

GoodGuide 📍 San Francisco

- Incrementally replaced legacy Backbone.js based UI with React.js.
- Lead project for Amazon Earth Day partnership campaign.

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

Senior Consultant
2014 — 2012

NTTData 📍 Halifax

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

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

Senior Java Developer
2012 — 2008

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.

Test Analyst
2008 — 2007

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

Bachelor of Technology (Software Development)
2003 — 2007

Seneca College of Applied Arts and Technology 📍 Toronto, Canada