Stephen Vo Van, Software Engineer

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http://stephenvovan.com

Skills

Languages

- Python
- JavaScript
- SQL
- Java
- C
- C++
- HTML
- CSS
- JSON
- XML

Databases

- PostgreSQL
- Redis
- MySQL
- MongoDB

Frameworks

- Django
- React.js
- Next.js
- Rails
- Ember.js
- Flask
- Express

DevOps

- AWS
- Heroku
- Docker
- Kubernetes

Platforms

- Linux (Ubuntu, RHEL)
- OSX

Soft Skills

Summary

Pragmatic software engineer competent in building and deploying web apps from the front-end to the back-end with a keen eye for UX and always optimizing for usability, scalability, security, and performance. Experienced in employing agile methodologies to facilitate project management, collaboration, and communication. When my teammates think of me I hope that they think of someone with integrity who is resourceful, dependable, and a clear communicator.

Work

CTO · FRNT Financial   Aug 31, 2018 - Present

https://www.frnt.io

FRNT Financial is an institutional capital markets and advisory platform focused on digital assets. FRNT aims to bridge the worlds of traditional and web based finance. Business lines include deliverable trading services, structured derivative products, merchant banking, advisory, consulting and principal investments.

Product Engineer /   Nov 30, 2016 - Present
Consultant · Greater Known

http://greaterknown.com

Software consulting and development for various clients.

Co-Founder · Clearbanc Jul 31, 2015 - Nov 30, 2016

http://clearbanc.com

Building a bank for freelancers, independent contractors, and entrepreneurs.

Software Consultant ·   Jan 31, 2015 - May 30, 2015
Lights On Software http://lightsonsoftware.com

Software consulting and development for various clients.

- Developed a Django application server that synced legal case and billing data between Capture.it (getcapture.it) and Clio (goclio.com).
- Various enhancements to Suicide Girls (suicidegirls.com) Django application server:

- Critical thinker and pragmatic problem solver
- Hands-on, do-it-yourself type of person
- Desire to learn new skills and adapt to changing technologies
- Team player with strong interpersonal skills
- Resourceful and dependable
- Clear communicator

i18n, ad manager, scalability optimizations, bug fixes.

Back-End Team Lead · Apr 30, 2013 - Oct 30, 2014
Top Hat http://tophat.com

Top Hat is a classroom engagement tool that makes learning fun and effective for students and professors.

- Developed and maintained RESTful JSON API endpoints using Django-Tastypie that's consumed by our web, iOS, and Android clients.
- Enhanced web & SMS user registration in a way that reduced friction and increased sign-up conversions using Django-Tastypie API and Backbone.js.
- Wrote a python module that merges student accounts, answers, grades, subscriptions, and orders.
- Re-architected the front-end Backbone.js SPA with a layout manager, de-centralized routing, and route authorization.
- Implemented dozens of user experiences with a consistent & maintainable design language through the composition of re-usable & scalable HTML/CSS UI components.
- Built real-time notifications, sentiment polls, and announcements that reach students and professors in their browser, inbox, and phone using AWS SES and Twilio.

CTO · TeamBuy.ca Mar 31, 2010 - Jan 30, 2013
http://teambuy.ca

TeamBuy is an e-commerce platform that facilitates the buying and selling of deals by leveraging local, social, mobile, and web technologies.

- Supervised recruitment, retention, and organization of all engineers and grew the tech department from 1 to 16.
- Built the first version of the platform that included a native CMS, MySQL database, and PayPal, ExactTarget, SalesForce, JobVite, Facebook Connect, and Google Analytics integration.
- Lead the design and implementation of re-designing a responsive website using HTML5 Boilerplate, Modernizr, Twitter Bootstrap, and JQuery.

- Triaged critical bugs (e.g. data integrity, DOS attack, dog pile effect).
- Collaborated with the founders and CEO to develop use cases and specifications that describe the implementation of the company's services as a website, mobile website, and app.
- Collaborated with the marketing, sales, customer service, and copy departments to assess and recommend technologies that support company organizational needs.
- Communicated the company's technology strategy to investors, management, and partners.
- Established and supervised the Kanban & Scrum agile development framework.
- Ensured the company's internal technological processes and customer-facing services complied with web security standards and PCI.
- Evaluated and identified appropriate technologies for delivering the company's services.

S/W Developer · Accenture / CIBC
Jun 30, 2009 - Oct 30, 2009

Prototyped a Windows C++ console application that implemented the Least Square Monte Carlo methodology by Longstaff & Schwartz for options valuation.

- Analyzed the requirements, crafted the application class diagram and proposed a suitable programming language to management.
- Wrote the core set of matrix container classes using the boost library.
- Wrote an XML parser and XPATH reader using the Xerces and Arabica library.
- Automated the execution of all unit tests by developing a test harness using cppunit.

Systems Integration Developer · Accenture / TD Bank
Dec 31, 2008 - Jun 29, 2009

Worked on a business banking web application using J2EE, Spring, JSP, Oracle, and JavaScript.

- Wrote a XML configuration driven module for printing credit application documents.
- Reconciled the disparate requirements for a credit index calculation module and

implemented it.

Systems Engineer ·   Mar 31, 2006 - Dec 30, 2008
Accenture / Morgan Stanley

Worked on DataLink, a set of web applications and services that provide enterprise-wide market data to various divisions throughout the firm.

- Enhanced and fixed a Java SOAP service for a Portfolio Accounting system by eliminating all pricing discrepancies and improving processing time from 2 hours to 8 minutes.
- Developed a Java web application that provided historical pricing data (8000 hits from 471 unique users per day), instrument information (19000 hits from 1704 unique users per day), and foreign exchange data (97000 hits from 1052 unique users per day).
- Lead a testing team and built a test harness and effectively automated all regression tests.
- As the client evangelist, wrote Perl CGI scripts to facilitate data discovery and maintained the wiki.
- Identified performance issues by developing a Java web application to monitor latency.
- Resolved client-facing support issues (Ex. application bugs, database failures, outages, power downs, maintenance on application dependencies) in a timely manner.
- Conceived a SDLC schedule that facilitated weekly releases and implemented throughout multiple teams.

S/W Developer (Intern) · Apr 30, 2004 - Aug 30, 2004
TD Securities

- Enhanced various UNIX shell scripts for a credit derivative system: data conversion, data inbound feed, ant build scripts, and added multithreading to existing algorithms.

Programmer (Intern) ·   Aug 31, 2003 - Dec 30, 2003
Canadian Broadcasting Corporation

- Designed a web application for provisioning TV and radio production resources, presented it to management, and developed it using C#, .NET Framework, XML, and Oracle.

Education

University of Waterloo   Aug 31, 2002 - Apr 30, 2006

Mathematics and Computer Science Bachelor

Languages

English · *Native speaker*

Interests

Surfing

Baking

Tinkering

References

Available upon request.