Senthil Velu Sundaram

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I'm a full stack engineer and I've been building applications with technologies suitable like Node.Js, GoLang, Java, Ruby on Rails, JavaScript and Scala. I do dev-ops too.

I love resilient architectures. I love performance of golang and node; simplicity of ruby; solidity of jvm. purity of scala; ubiquitousness of html, css and js. I love small teams that work in a lean way to get things done. I love vim/atom/sublime text. I love IDEs. I love building stuff that are highly scalable. I love to travel. I love mentoring and building teams.

I love visualising ideas and making it real with nimble methods and tools.

Technical Skills

Likes: node.js, rails, ruby-on-rails, javascript, jquery, angularjs, git, scala, scalability, tdd, vim, twitter-bootstrap, go, amazon-web-services, digital-ocean, ansible, devops

Experience

Application Developer – ThoughtWorks   *April 2009 – Current*

ruby-on-rails, rails, rspec, javascript, mongodb, postgresql, angularjs, git, scala, scalability, tdd, vim, backbone.js, jquery, android, css, twitter-bootstrap

Been part and been a lead in small teams that deliver projects. Was responsible for overall delivery and keeping the codebase clean. Mentored the junior members.

Software Engineer – Satyam Computers   *September 2006 – April 2009*

java, struts, javascript, db2, websphere

Was a part of a team that built application for one of the automobile clients. Handled a complex module and scaled the application. Ported the application with few modifications to a different unit of the same client.

Education

Bachelor of engineering – Anna University   *2002 – 2006*

electronics

Won many circuit debugging challenges.

Projects & Interests

GitHub - commit_param_routing – https://github.com/siliconsenthil/commit_param_routing   *October 2013*

Gem that helps rails project to route to different controller actions based on commit param of the form

Justickets – https://www.justickets.in/chennai

go, node.js, amazon-web-services, ruby, redis

It's an online realtime movie ticket booking web-app. The backend was built in go-lang with ambitious performance expectations. We built the application to respond with less than 100ms and ability to scale on demand. Both in terms of scalability and performance, it was an excellent learning experience and an achievement that I'm always proud of.

I played the tech lead role with a very small team. I discussed, designed and implemented. Successfully solved scalability and performance issues.

GitHub - reek_viewer – https://github.com/siliconsenthil/reek_viewer   *June 2012*

rubyのメトリクス測定ツールreekの出力を、HTMLに整形して出力するツール。

One Sony – https://www.thoughtworks.com/live/2014/europe/one-sony-and-the-global-customer-experience

scala, apache-camel, ruby

The program aimed at making sony website content delivery across geographies and languages to work seamlessly in cloud. I was leading the integration stream which was acting as a spine across lots of systems. We had to build 'pipelines' using apache-camel that could scale and perform. It was deployed in cloud and had continuous delivery. The project was completed well ahead of time and became an example for the whole program.

I played the tech-lead role starting from the idea stage till the deployment. I worked on the design and development.

GitHub - vim – https://github.com/siliconsenthil/vim   *September 2011 - December 2013*

WeGift, an app. to collaborate for gift – http://letsgift.herokuapp.com/
ruby-on-rails, faye, heroku

It helps to choose a gift for an event. It extracts metadata from shopping website(e.g. flipkart) urls and adds the option. There can be discussion and voting. It's a single-page realtime app.

From idea to design and development. Of course, with a small team.

GitHub - vim-rspec – https://github.com/siliconsenthil/vim-rspec   *August 2013*

Run Rspec specs from Vim

GitHub - tconsole – https://github.com/siliconsenthil/tconsole   *February 2012*

Testing console for Rails. Helps out with test performance and also makes it easier to run specific tests

GitHub - tire – https://github.com/siliconsenthil/tire   *February 2012*

A rich Ruby API and DSL for the ElasticSearch search engine/database

GitHub - crize – https://github.com/siliconsenthil/crize   *November 2012*

Crop and resize an uploaded image using canvas

GitHub - tabs_on_rails – https://github.com/siliconsenthil/tabs_on_rails   *August 2013*

Tabs on Rails is a simple Rails plugin for creating and managing tabs and navigation menus.

GitHub - openlibrary – https://github.com/TWChennai/openlibrary   *December 2012 - June 2015*

the openlibrary project

GitHub - capypage – https://github.com/TWChennai/capypage   *September 2013 - March 2015*

Page Object Model for Capybara

GitHub - bigcommerce-api-ruby – https://github.com/siliconsenthil/bigcommerce-api-ruby   *February 2014*

Connect Ruby applications with the Bigcommerce Platform

GitHub - Platform – https://github.com/PurposeOpen/Platform   *April 2013 - February 2015*

The Purpose Platform is a global open source project committed to building multilingual campaigning and organizing tools for social good.

Writing

If else or Switch case to Polymorphism - siliconsenthil.in –
http://siliconsenthil.herokuapp.com/blog/2011/04/15/if-else-or-switch-case-to-polymorphism/

How to convert if-else blocks to OO

Onclick link disabling with jQuery - siliconsenthil.in –
http://siliconsenthil.herokuapp.com/blog/2011/04/15/onclick-link-disabling-with-jquery/

A very simple Jquery function to disable links on click

How we debugged memory leak in a rails app. - siliconsenthil.in –
http://siliconsenthil.herokuapp.com/blog/2013/01/19/how-we-debugged-rails-memory-leak/

How we debugged memory leak in a rails app.

Memory leaks with validation_scopes - siliconsenthil.in –
http://siliconsenthil.herokuapp.com/blog/2013/01/19/validation-scopes-leaks-memory/

Memory leaks with validation_scopes