

# Senthil Velu Sundaram

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<http://siliconsenthil.in>

*I'm a full stack engineer and technical lead with ten years of experience. I've been building applications with technologies suitable like Node.js, GoLang, Java, Ruby on Rails, JavaScript and Scala.*

*I love resilient architectures. I love extensible design. I love microservices. I love continuous delivery. I love small teams that work in a lean way to get things done. I love building stuff that are highly scalable. I love to travel. I love mentoring and building teams.*

*Looking forward for my next leap.*

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## 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, continuous-delivery

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## Experience

### Technical Lead – 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 teams that deliver projects. Responsible for overall delivery and keeping the codebase clean. Interacting with business stakeholders, suggesting solutions. Executing projects right from inception stage through solutioning, architecting, planning, implementation and deployment. Typical day includes coding, pair programming, design discussions. Mentoring the junior members as well.

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### 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.

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## Education

**Bachelor of engineering** – Anna University  
electronics

2002 – 2006

Was passionate in microprocessors, embedded systems and ALP. Won many circuit debugging challenges. Did my final year project in DRDO (Defence Research and Development Organization), India.

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## Projects & Interests

**GitHub - commit\_param\_routing** – [https://github.com/siliconsenthil/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

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**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.

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**GitHub - reek\_viewer** – [https://github.com/siliconsenthil/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。

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**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.

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**GitHub - vim** – <https://github.com/siliconsenthil/vim>

*September 2011 - December 2013*

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**GitHub - vim-rspec** – <https://github.com/siliconsenthil/vim-rspec>

*August 2013*

Run Rspec specs from Vim

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**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

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**GitHub - tire** – <https://github.com/siliconsenthil/tire>

*February 2012*

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

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**GitHub - crize** – <https://github.com/siliconsenthil/crize>

*November 2012*

Crop and resize an uploaded image using canvas

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**GitHub - tabs\_on\_rails** – [https://github.com/siliconsenthil/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.

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**GitHub - openlibrary** – <https://github.com/TWChennai/openlibrary>

*December 2012 - June 2015*

the openlibrary project

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**GitHub - bigcommerce-api-ruby** – <https://github.com/siliconsenthil/bigcommerce-api-ruby>

*February 2014*

Connect Ruby applications with the Bigcommerce Platform

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## 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

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**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

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**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.

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**Memory leaks with validation\_scopes - siliconsenthil.in** –

<http://siliconsenthil.herokuapp.com/blog/2013/01/19/validation-scopes-leaks-memory/>

Memory leaks with validation\_scopes