

# Thomas Gebert

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## Computer skills

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Haskell	JavaScript	tmux	FFMpeg
Erlang/OTP	Node.JS	Git	FreeBSD
F#	Idris	Rust	Linux
Go	Ejabberd	Vim	FreeNAS
L <sup>A</sup> T <sub>E</sub> X	Play Framework	Scala	TLA+

## Experience

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### Jet.com

*Software Engineer*

**Hoboken, New Jersey**

*July 2016 – Present*

- Write Microservices in F#
- Write a push notification server
- Rebuilt the transactional email system to scale to Jet.com size
  - Handles every Order Confirmation, Item Shipped, Order Cancelled, and Password Reset email on the website.
- Taught the F# language during code bootcamps.
- Utilized TensorFlow Machine Learning to recommend products and choose ideal times to send marketing emails.
- Built a functioning and scalable Youtube clone during hackathon.

### Tone Mobile

*Software Engineer*

**New York, New York**

*September 2015 – June 2016*

- Write and maintain Erlang backends
- Create modules for Ejabberd
- Integrate chat server with Node.js backend
- Integrate live-chats with AngularJS

### New York University

*Research Scientist*

**New York, New York**

*March 2015 – September 2015*

- Debug AngularJS frontends.
- Debug Scala backends.
- Help write Haskell backends.
- Programmatically use FFMpeg for video transcoding.

### Sq1

*Application Developer*

**Dallas, Texas**

*May 2014 – February 2015*

- o Wrote web applications using Angular.JS and Node.JS.
- o Wrote deployment scripts for web applications.
- o Deployed on:
  - Daikin Comfort Marketing Website
  - Shell Gasoline Coupon Portal - Lead Developer
  - Jiffy Lube Coupon Portal - Lead Maintainers

### **Senico, LLC**

*Software Engineer*

**Dallas, Texas**

*June 2013 – April 2014*

- o Wrote web-application servers in Node.JS
- o Created an MVC-compliant web-framework for KoaJS
- o Wrote web-application frontends in Angular.JS
- o Wrote application backends for mobile applications
- o Managed projects in Symfony, CodeIgniter, and Node.JS
- o Deployed on:
  - MPW Video Portal
  - Caddis Heartis Retirement Home Finder
  - Alpha Athlete Social Gym (Renamed to LOASC)

### **Propulsion Labs**

*Software Engineer*

**Dallas, Texas**

*January 2013 – June 2013*

- o Wrote applications for iOS
- o Created applications using PhoneGap and Cordova
- o Wrote programs using JavaScript and KendoUI
- o Lead Engineer for ABB Mobile App

### **Amerinational Management Services**

*Web Developer*

**Orlando, Florida**

*January 2012 – December 2012*

- o Wrote web applications in Flash and Coldfusion
- o Wrote SQL scripts for SQL Server

### **Lockheed Martin**

*Software Engineering Intern*

**Orlando, Florida**

*May 2011 – August 2011*

- o Wrote image processing software.
- o Obtained security clearance.
- o Ported software to ARM CPUs.
- o Optimized C++ backend
- o Utilized the OpenCV library.

## **Side Projects**

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**Frameworkkey: Erlang:** A massively scalable MVC Framework for Erlang that (currently) handles loads of 200,000 concurrent users on a single machine, with composable routes to allow rapid development

**Frameworkkey: Promise Edition:** An MVC framework for Node.JS allowing for composable routes

**Haskell Parallel Fizzbuzz:** An implementation of the classic "Fizzbuzz" in Haskell, running in-parallel.

**Fetchkeys:** A command-line utility to get SSH public keys from Github.

**Yil:** A library for KoaJS to convert callback-style functions into a yield-friendly generator.

**HGOL:** An implementation of Conway's Game of Life, written in Haskell.

**StockScrape:** An application to scrape Yahoo Stocks, written in Haskell

For more, please visit [github.com/tombert](https://github.com/tombert)

## Education

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**Florida State University**  
*Mathematics*

**Tallahassee, Florida**  
*2010–2016*