Thomas Gebert

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Computer skills

Haskell	JavaScript	Git	Linux
Erlang/OTP	**Node.JS**	Rust	FreeNAS
F#	Idris	Vim	TLA+
Go	Ejabberd	Scala	
Kakfa	Play Framework	**FFMpeg**	
LATEX	tmux	FreeBSD	

Experience

Jet.com   **Hoboken, New Jersey**
Software Engineer   *July 2016 – Present*
- Write Microservices in F#
- Use Apache Kafka to send data between services.
- 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   **New York, New York**
Software Engineer   *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   **New York, New York**
Research Scientist   *March 2015 – September 2015*
- Debug Angular.JS frontends.
- Debug Scala backends.
- Help write Haskell backends.
- Programmatically use FFMpeg for video transcoding.

Sq1   **Dallas, Texas**
Application Developer   *May 2014 – February 2015*

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

Senico, LLC   **Dallas, Texas**
Software Engineer   *June 2013 – April 2014*
- Wrote web-application servers in Node.JS
- Created an MVC-compliant web-framework for KoaJS
- Wrote web-application frontends in Angular.JS
- Wrote application backends for mobile applications
- Managed projects in Symfony, CodeIgniter, and Node.JS
- Deployed on:
  - MPW Video Portal
  - Caddis Heartis Retirement Home Finder
  - Alpha Athlete Social Gym (Renamed to LOASC)

Propulsion Labs   **Dallas, Texas**
Software Engineer   *January 2013 – June 2013*
- Wrote applications for iOS
- Created applications using PhoneGap and Cordova
- Wrote programs using JavaScript and KendoUI
- Lead Engineer for ABB Mobile App

Amerinational Management Services   **Orlando, Florida**
Web Developer   *January 2012 – December 2012*
- Wrote web applications in Flash and Coldfusion
- Wrote SQL scripts for SQL Server

Lockheed Martin   **Orlando, Florida**
Software Engineering Intern   *May 2011 – August 2011*
- Wrote image processing software.
- Obtained security clearance.
- Ported software to ARM CPUs.
- Optimized C++ backend
- Utilized the OpenCV library.

Side Projects

Frameworkey: 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

Frameworkey: 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