

Thomas Gebert

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Computer skills

Erlang/OTP

Go

LaTeX

CoffeeScript

JavaScript

Node.JS

Express

Socket.IO

Koa

Angular.JS

React

jQuery

Haskell

Ruby

Ruby On Rails

Ejabberd

Elixir

Flex

Yacc

Play Framework

tmux

Git

Vim

Emacs

C

C++

Java

Scala

Bash

Zsh

Python

Django

FFMpeg

FreeBSD

PFSense

FreeNAS

Experience

Tone Mobile

Software Engineer

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

New York, New York

September 2015 – Present

New York University

Junior Research Scientist

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

New York, New York

March 2015 – September 2015

Sq1

Application Developer

- 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

Dallas, Texas

May 2014 – February 2015

Senico, LLC

Software Engineer

Dallas, Texas

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

Software Engineer

Dallas, Texas

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

Web Developer

Orlando, Florida

January 2012 – December 2012

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

Lockheed Martin

Software Engineering Intern

Orlando, Florida

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

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

Education

Florida State University

Mathematics

Tallahassee, Florida

2010–2016