

ERIC BAILEY

PERSONAL INFORMATION

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OBJECTIVE

Work with a disciplined team to accomplish well-defined goals in an open and collaborative environment, using the right technologies for tasks at hand.

PROGRAMMING LANGUAGES

> 10,000 LoC Clojure, (Lisp Flavoured) Erlang, {Common,Emacs} Lisp, Scheme
> 5,000 LoC Java, Objective-C, Swift
> 3,000 LoC Haskell, [Idris](http://idris-lang.org)¹, Perl, PHP, Python
< 1,000 LoC [Agda](http://wiki.portal.chalmers.se/agda)², C, C++, Coq, Elixir, F[#], Go, OCaml, SML

SELECT WORK EXPERIENCE

2015–Present Contributor, OPEN SOURCE

Open Source

I make frequent contributions to open source, mostly in ([Lisp Flavoured](#)³) Erlang. Refer to my [OpenHUB](#)⁴ and [GitHub](#)⁵ profiles for more information. Recently, I've been helping organize [an effort to modernize and maintain elli and its middlewares](#)⁶.

Tech: Clojure | Erlang | LFE | {Common,Emacs} Lisp | Nix | Racket | Scheme

2015–2016 Software Engineer, FRONTEND MASTERS

Frontend Masters

Starting as an occasional iOS contractor from 2013 through 2015, I joined [the company](#)⁷ full-time by January 2016. Eventually, my responsibilities shifted from maintaining the iOS app to re-architecting the outdated backend, including codifying the data model, handling DevOps, designing and building an elli-based web app in LFE, maintaining parity (as appropriate) with the existing system and designing and building its modular, data-driven successor.

Tech: Erlang | LFE | Objective-C | Swift | CI | Core Data | DevOps | Docker |

Documentation | Realm | REST | RxSwift | Video streaming

2014–2015 Software Engineer, INVISIBLE FRIEND

invisible friend

As a Software Engineer and half of the core engineering team at this [social media startup](#)⁸, I was passionate about writing efficient, modular, well-tested code in a very agile environment.

Tech: Clojure(Script) | Node.js | Chrome | Docker | Datomic |

{Level,Rethink}DB | PostgreSQL | Redis | DevOps

¹ <http://idris-lang.org>

² <http://wiki.portal.chalmers.se/agda>

³ <https://github.com/rvirding/lfe>

⁴ <https://www.openhub.net/accounts/yurriiq>

⁵ <https://github.com/yurriiq>

⁶ <https://github.com/elli-lib>

⁷ <https://frontendmasters.com>

⁸ <https://plink.love>

<i>Transvoyant</i>	2014–2015	Web Developer, TRANSVOYANT	Building on the existing Java-based REST API, I spearheaded development of a new web front end in ClojureScript. It featured a user-customizable, data-driven UI with dynamic rendering and mobile-friendly drag-and-drop. <i>Tech:</i> ClojureScript CSS JSON React DevOps Modular Mobile REST
<i>Electric Wizardry</i>	2012–Present	Owner, ELECTRIC WIZARDRY	Periodically, I do contract work as my LLC. Such work has included SQL security hole patching ⁹ , updating a bespoke kiosk web app ¹⁰ to work on IE8, porting an interactive Q&A app ¹¹ from iOS to Android, writing a custom podcast app for iOS ¹² and Android ¹³ , developing a vocabulary-building app ¹⁴ for iOS, and helping implement and maintain a real-time audience interaction web app ¹⁵ . <i>N.B.</i> Much of my work has been augmented or phased out here. For details refer to the web version of this document ¹⁶ .

EDUCATION

<i>Associate of Fine Arts in Music</i>	2008–2013	Century College	<i>Select Courses:</i> Statistics, Calculus (CLEP ¹⁷), Intro to Logic, Programming Fundamentals, Object-Oriented Programming, true, Discrete Structures of Computer Science
<i>Undergrad Computer Science</i>	2012–2013	Metro State University	<i>Select Courses:</i> Programming with Elementary Data Structures, Computer Organization and Architecture, Computer Networks, The Nature of Language
<i>General Studies</i>	2007–2008	University of Minnesota	<i>Select Courses:</i> Physics, Modern Literature, Film, Political Science

MISCELLANEA

<i>Interviews</i>	FUNCTIONAL GEEKERY: Episode 59 ¹⁸ “In this episode... [I] talk [about my] entry into functional programming; work with Scheme, Clojure, Haskell, and LFE; getting into the LFE community; interop story with other BEAM languages; Exercism.io; and much more.” KNOW THIS NERD? Meet Eric Bailey ¹⁹ Casual interview re: my interest in programming and technology.
<i>Spoken Languages</i>	ENGLISH Native speaker ESPAÑOL Casi bilingüe ITALIANO Grammatica e vocabolario di base SVENSKA Grundläggande grammatik och ordförråd

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- ⁹ <http://www.rfmoeller.com>
¹⁰ <https://www.honeywell.com>
¹¹ <https://play.google.com/store/apps/details?id=com.caspersen.narrative>
¹² <https://itunes.apple.com/us/app/tom-barnard-podcast-app/id1131763252>
¹³ <https://play.google.com/store/apps/details?id=com.tombarnard.show>
¹⁴ <https://web.archive.org/web/20130711014544/http://definest.co>
¹⁵ <https://www.voicehive.com>
¹⁶ <http://yurriq.github.io/resume>
¹⁷ <https://clep.collegeboard.org/science-and-mathematics/calculus>
¹⁸ <https://www.functionalgeekery.com/episode-59-eric-bailey/>
¹⁹ <http://tech.mn/news/2013/08/21/know-this-nerd-meet-eric-bailey/>