

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 the 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](#)¹, Perl, PHP, Python
< 1,000 LoC [Agda](#)², C, C++, Coq, Elixir, F[#], Go, OCaml, SML

SELECT WORK EXPERIENCE

Electric Wizardry 2012–Present Owner, ELECTRIC WIZARDRY
Periodically, I do contract work as my LLC. Such work has included [SQL security hole patching](#)³, updating a [bespoke kiosk web app](#)⁴ to work on IE8, porting an [interactive Q&A app](#)⁵ from iOS to Android, writing a custom podcast app for [iOS](#)⁶ and [Android](#)⁷, developing a [vocabulary-building app](#)⁸ for iOS, and helping implement and maintain a [real-time audience interaction web app](#)⁹.

Open Source 2015–Present Contributor, OPEN SOURCE
I make frequent contributions to open source, mostly in ([Lisp Flavoured](#)¹⁰) Erlang. Refer to my [OpenHUB](#)¹¹ and [GitHub](#)¹² profiles for more information. Recently, I've been helping organize [an effort to modernize and maintain elli and its middlewares](#)¹³.

Frontend Masters 2015–2016 Software Engineer, FRONTEND MASTERS
Starting as an occasional iOS contractor from 2013 through 2015, I joined [the company](#)¹⁴ 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 Eventually, my responsibilities shifted from maintaining the iOS app to re-architecting the outdated backend, including codifying the data model, handling DevOps, designing and building an elli-based web app in LFE, maintaining parity (as appropriate) with the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.

invisible friend 2014–2015 Software Engineer, INVISIBLE FRIEND
As a Software Engineer and half of the core engineering team at this [social media startup](#)¹⁵, I was passionate about writing efficient, modular, well-tested code in a very agile environment.

Transvoyant 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.

Tech: ClojureScript | CSS | JSON | React | DevOps | Modular | Mobile | REST

EDUCATION

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|--|-----------|-------------------------|---|
| <i>Associate of Fine Arts in Music</i> | 2008–2013 | Century College | <i>Select Courses:</i> Statistics, Calculus (CLEP ¹⁶), Intro to Logic, Programming Fundamentals, Object-Oriented Programming, Internet Programming: Server-side Applications, Discrete Structures of Computer Science |
| | 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>Undergrad Computer Science</i> | | | |
| <i>General Studies</i> | 2007–2008 | University of Minnesota | <i>Select Courses:</i> Physics, Modern Literature, Film, Political Science |
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MISCELLANEA

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|-------------------------|---|---------------------------------------|--|
| <i>Interviews</i> | FUNCTIONAL GEEKERY: Episode 59 ¹⁷ | | |
| | “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.” | | |
| <i>Spoken Languages</i> | KNOW THIS NERD? Meet Eric Bailey ¹⁸ | | |
| | Casual interview re: my interest in programming and technology. | | |
| | ENGLISH | Native speaker | |
| | ESPAÑOL | Casi bilingüe | |
| | ITALIANO | Grammatica e vocabolario di base | |
| | SVENSKA | Grundläggande grammatik och ordförråd | |

NOTES

¹<http://idris-lang.org>

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

³<http://www.rfmoeller.com>

⁴<https://www.honeywell.com>

⁵<https://play.google.com/store/apps/details?id=com.caspersen.narrative>

⁶<https://itunes.apple.com/us/app/tom-barnard-podcast-app/id1131763252>

⁷<https://play.google.com/store/apps/details?id=com.tombarnard.show>

⁸<https://web.archive.org/web/20130711014544/http://definest.co>

⁹<https://www.voicehive.com>

¹⁰<https://github.com/rvirding/lfe>

¹¹<https://www.openhub.net/accounts/yurrriq>

¹²<https://github.com/yurrriq>

¹³<https://github.com/elli-lib>

¹⁴<https://frontendmasters.com>

¹⁵<https://plink.love>

¹⁶<https://clep.collegeboard.org/science-and-mathematics/calculus>

¹⁷<https://www.functionalgeekery.com/episode-59-eric-bailey/>

¹⁸<http://tech.mn/news/2013/08/21/know-this-nerd-meet-eric-bailey/>