

# ERIC BAILEY

## PERSONAL INFORMATION

*GitHub* <https://github.com/yurriq>  
*email* [eric@ericb.me](mailto:eric@ericb.me)

## PROGRAMMING LANGUAGES

> 20,000 LoC (Bourne) Shell, Clojure, (Lisp Flavoured)<sup>1</sup> Erlang, Lisp/Scheme (various)  
> 10,000 LoC HTML, Java,  $\LaTeX$ , LilyPond<sup>2</sup>, make, Objective-C, Swift  
> 5,000 LoC CSS, Haskell, Idris<sup>3</sup>, JavaScript, PHP  
< 5,000 LoC Agda<sup>4</sup>, C, C++, Coq<sup>5</sup>, Elixir, Elm<sup>6</sup>, F<sup>‡</sup>, GAP<sup>7</sup>, Go, OCaml, Perl, Python, R<sup>8</sup>, Ruby, Rust

## SELECT WORK EXPERIENCE

*Sportradar* July 2019–Present Lead Engineer, SPORTRADAR

As the first global SRE<sup>9</sup>, with a focus on automation, reproducibility, and company-wide cohesion through policies and best practices I help design, I work to empower developers, encourage and facilitate frequent shipping of code, and enable sysadmins to maintain good sleep hygiene, across multiple time zones.

*Tech:* Bash | Go | Nix<sup>10</sup> | Documentation | GitLab CI | Helm | JIRA | Kubernetes

Dec 2017–July 2019 DevOps Architect (unofficial)

Unofficially, I led development in the CI/CD space in Minneapolis, including containerizing legacy applications and infrastructure, and configuring ephemeral development environments.

*Tech:* Bash | Haskell | Nix | Docker | GitLab CI | Helm | Kubernetes | nginx | Varnish

July 2017–Dec 2017 Software Engineer

I mostly wrote scripts to automate feed validation and identify hard-to-find bugs.

*Tech:* Elixir | JavaScript | Ruby | Automation | Property-based testing | RabbitMQ | Redis

*Open Source* 2015–Present Contributor, OPEN SOURCE

Refer to my GitHub<sup>11</sup> and OpenHUB<sup>12</sup> profiles for more information.

*Tech:* Clojure | Erlang | Go | Idris | LFE |  $\LaTeX$  | Lisp | Nix | Racket | Scheme

*Electric Wizardry* 2012–Present Owner, ELECTRIC WIZARDRY

My contract work has included SQL security hole patching<sup>13</sup>, updating a bespoke kiosk web app<sup>14</sup> to work on IE8, porting an interactive Q&A app<sup>15</sup> from iOS to Android, a custom podcast app for iOS<sup>16</sup> and Android<sup>17</sup>, a vocabulary-building app<sup>18</sup> for iOS, and helping develop and maintain a real-time audience interaction web app<sup>19</sup>.

*Frontend Masters* Aug 2015–Nov 2016 Software Engineer, FRONTEND MASTERS

Starting as an occasional iOS contractor from 2013–2015, I joined the company<sup>20</sup> full-time in 2016. Soon, my responsibilities shifted to re-architecting the backend, including codifying the data model, handling DevOps, and maintaining parity with the existing system while building its modular, data-driven successor.

*Tech:* Erlang |  $\LaTeX$  | LFE | Objective-C | Swift | CI | Core Data | DevOps | Docker | Documentation | Realm | REST | RxSwift | Slack | Video streaming

*invisible friend* May 2014–Aug 2015 Software Engineer, INVISIBLE FRIEND

As half of the core engineering team at this social media startup<sup>21</sup>, I passionately wrote efficient, modular, well-tested code in an agile environment.

*Tech:* Clojure(Script) | Node.js | Chrome | Docker | Datomic | DevOps | JIRA | {Level,Rethink}DB | Nix | PostgreSQL | Redis | Slack

*Transvoyant* Nov 2014–July 2015 Web Developer, TRANSVOYANT

Building on a Java REST API, I spearheaded a new ClojureScript frontend, with a user-customizable, data-driven UI, dynamic rendering, and mobile-friendly drag-and-drop.

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

## EDUCATION

<i>Associate of Fine Arts in Music</i>	2008–2013	Century College	<i>Select Courses:</i> Statistics, Calculus ( <a href="#">CLEP<sup>22</sup></a> ), 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>	2007–2008	University of Minnesota	<i>Select Courses:</i> Physics, Modern Literature, Film, Political Science

## MISCELLANEA

<i>Interviews</i>	FUNCTIONAL GEEKERY: <a href="#">Episode 59<sup>23</sup></a> “In this episode... [I] talk [about my] entry into functional programming; work with Scheme, Clojure, Haskell, and LFE; ... Exercism.io; and much more.”		
	KNOW THIS NERD? <a href="#">Meet Eric Bailey<sup>24</sup></a> Casual interview re: my interest in programming and technology.		
<i>Volunteering</i>	<a href="#">ClojureBridge MN<sup>25</sup></a> TEACHING ASSISTANT At two workshops, I’ve volunteered to help women, trans, genderqueer, and gender non-conforming people learn (more) Clojure.		
	<a href="#">UndeadArt.org<sup>26</sup></a> WEB TEAM MEMBER Helped lead the project, participating in discussions and contributing code.		
<i>Spoken Languages</i>	ENGLISH	Native speaker	
	ESPAÑOL	Competencia laboral limitada	
	NORSK	Grunnleggende ferdigheter	

## NOTES

- <sup>1</sup><http://lfe.io/>
- <sup>2</sup><http://lilypond.org/>
- <sup>3</sup><http://idris-lang.org>
- <sup>4</sup><http://wiki.portal.chalmers.se/agda>
- <sup>5</sup><https://coq.inria.fr/>
- <sup>6</sup><https://elm-lang.org/>
- <sup>7</sup><https://www.gap-system.org/>
- <sup>8</sup><https://www.r-project.org/>
- <sup>9</sup><https://opensource.com/article/18/10/what-site-reliability-engineer>
- <sup>10</sup><https://nixos.org/nix/>
- <sup>11</sup><https://github.com/yurriq>
- <sup>12</sup><https://www.openhub.net/accounts/yurriq>
- <sup>13</sup><http://www.rfmoeller.com>
- <sup>14</sup><https://www.honeywell.com>
- <sup>15</sup><https://play.google.com/store/apps/details?id=com.caspersen.narrative>
- <sup>16</sup><https://itunes.apple.com/us/app/tom-barnard-podcast-app/id1131763252>
- <sup>17</sup><https://play.google.com/store/apps/details?id=com.tom.barnard.show>
- <sup>18</sup><https://web.archive.org/web/20130711014544/http://definest.co>
- <sup>19</sup><https://www.voicehive.com>
- <sup>20</sup><https://frontendmasters.com>
- <sup>21</sup><https://plink.love>
- <sup>22</sup><https://clep.collegeboard.org/science-and-mathematics/calculus>
- <sup>23</sup><https://www.functionalgeekery.com/episode-59-eric-bailey/>
- <sup>24</sup><http://tech.mn/news/2013/08/21/know-this-nerd-meet-eric-bailey/>
- <sup>25</sup><http://clojurebridgemn.org/>
- <sup>26</sup>[UndeadArt.org](http://UndeadArt.org)