

ERIC BAILEY

PERSONAL INFORMATION

GitHub <https://github.com/yurriq>
phone (612) 327-1274

PROGRAMMING LANGUAGES

> 20,000 LoC (Bourne) Shell, Clojure, (Lisp Flavoured)¹ Erlang, Lisp/Scheme (various)
> 10,000 LoC HTML, Java, L^AT_EX, LilyPond², make, Objective-C, Swift
> 5,000 LoC CSS, Haskell, Idris³, JavaScript, PHP
< 5,000 LoC Agda⁴, C, C++, Coq⁵, Elixir, Elm⁶, F[#], GAP⁷, Go, OCaml, Perl, Python, R⁸, Ruby, Rust

SELECT WORK EXPERIENCE

Sportradar July 2019–Present Lead Engineer, SPORTRADAR

As the first global SRE⁹, 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 | Nix¹⁰ | 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 GitHub¹¹ and OpenHUB¹² profiles for more information.

Tech: Clojure | Erlang | Go | Idris | LFE | L^AT_EX | Lisp | Nix | Racket | Scheme

Electric Wizardry 2012–Present Owner, ELECTRIC WIZARDRY

My contract work has included SQL security hole patching¹³, updating a bespoke kiosk web app¹⁴ to work on IE8, porting an interactive Q&A app¹⁵ from iOS to Android, a custom podcast app for iOS¹⁶ and Android¹⁷, a vocabulary-building app¹⁸ for iOS, and helping develop and maintain a real-time audience interaction web app¹⁹.

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

Starting as an occasional iOS contractor from 2013–2015, I joined the company²⁰ 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 | L^AT_EX | 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 startup²¹, 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–Jul 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 (CLEP²²), 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: Episode 59 ²³ “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? Meet Eric Bailey ²⁴ Casual interview re: my interest in programming and technology.		
<i>Volunteering</i>	ClojureBridge MN ²⁵ TEACHING ASSISTANT At two workshops, I’ve volunteered to help women, trans, genderqueer, and gender non-conforming people learn (more) Clojure.		
	UndeadArt.org ²⁶ 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

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