

# ERIC BAILEY

## PERSONAL INFORMATION

*GitHub* <https://github.com/yurriq>  
*LinkedIn* <https://linkedin.com/in/ericbee>  
*Email* [eric@ericb.me](mailto:eric@ericb.me)

## PROGRAMMING LANGUAGES

*Advanced* (Bourne) Shell, Clojure, Haskell,  $\text{\LaTeX}$ , (Lisp Flavoured)<sup>1</sup> Erlang, Lisp/Scheme (various)  
*Experienced* HTML, Idris<sup>2</sup>, Java, LilyPond<sup>3</sup>, make, Objective-C, Swift  
*Intermediate* Elixir, Go, Julia, Python, Rust, SageMath<sup>4</sup>  
*Dangerous* Agda<sup>5</sup>, C, Coq<sup>6</sup>, Elm<sup>7</sup>, F<sup>\#</sup>, GAP<sup>8</sup>, OCaml  
*Familiar* C++, CSS, JavaScript, PHP, Perl, R<sup>9</sup>, Ruby

## SELECT WORK EXPERIENCE

*Sportradar* April 2022–Present Platform Domain Architect, SPORTRADAR  
Starting April 2022, I transitioned into an architect role, handing over the lead responsibilities of our expanded team.

*Tech:* Go | Architecture | CI/CD | DevOps | AWS | Kubernetes | Nix<sup>10</sup> | Terraform

July 2019–April 2022 Lead Platform Engineer

As the first global SRE<sup>11</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. From March 2021 to April 2022, I led a team of two, focusing further on providing a solid PaaS to internal “customers.”

*Tech:* Go | Nix | Terraform | Architecture | Compliance | Policy | AWS | 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:* Haskell | Docker | GitLab CI | Helm | 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 | Property-based testing | RabbitMQ | Redis

*Open Source* 2015–Present Contributor, OPEN SOURCE

Refer to my GitHub<sup>12</sup> and OpenHUB<sup>13</sup> profiles for more information.

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

*Electric Wizardry* Nov 2012–Oct 2018 Owner, ELECTRIC WIZARDRY

My contract work has included SQL security hole patching<sup>14</sup>, updating a bespoke kiosk web app<sup>15</sup> to work on IE8, porting an interactive Q&A app from iOS to Android, a custom podcast app for iOS and Android, a vocabulary-building app<sup>16</sup> for iOS, and helping develop and maintain a real-time audience interaction web app<sup>17</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>18</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:* (Lisp Flavoured) Erlang | Objective-C | (Rx)Swift | Video streaming

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

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

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

## EDUCATION

Associate of Fine Arts in Music	2008–2013	Century College	Select Courses: Statistics, Calculus ( <a href="#">CLEP<sup>19</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	Select Courses: Programming with Elementary Data Structures, Computer Organization and Architecture, Computer Networks, The Nature of Language
Undergrad Computer Science	2007–2008	University of Minnesota	Select Courses: Physics, Modern Literature, Film, Political Science

## MISCELLANEA

Certifications	<a href="#">CKA: CERTIFIED KUBERNETES ADMINISTRATOR<sup>20</sup></a> (The Linux Foundation) Issued: Jan 2022. Expires: Jan 2025. “Earners demonstrated proficiency in Application Lifecycle Management, Installation, Configuration & Validation, Core Concepts, Networking, Scheduling, Security, Cluster Maintenance, Logging / Monitoring, Storage, and Troubleshooting.”		
Volunteering	<a href="#">ClojureBridge MN<sup>21</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>22</sup></a> WEB TEAM MEMBER Helped lead the project, participating in discussions and contributing code.		
Interviews	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.		
Spoken Languages	ENGLISH	Native speaker	
	ESPAÑOL	Competencia laboral limitada	
	NORSK	Grunnleggende ferdigheter	
	SLOVENŠČINA	Pivo, prosim. Hvala.	
	SVENSKA	Baskunskaper	

## NOTES

<sup>1</sup><http://lfe.io/>

<sup>2</sup><http://idris-lang.org>

<sup>3</sup><http://lilypond.org/>

<sup>4</sup><https://www.sagemath.org/>

<sup>5</sup><http://wiki.portal.chalmers.se/agda>

<sup>6</sup><https://coq.inria.fr/>

<sup>7</sup><https://elm-lang.org/>

<sup>8</sup><https://www.gap-system.org/>

<sup>9</sup><https://www.r-project.org/>

<sup>10</sup><https://nixos.org/nix/>

<sup>11</sup><https://opensource.com/article/18/10/what-site-reliability-engineer>

<sup>12</sup><https://github.com/yurrriq>

<sup>13</sup><https://www.openhub.net/accounts/yurrriq>

<sup>14</sup><https://rfmoeller.com>

<sup>15</sup><https://www.honeywell.com>

<sup>16</sup><https://web.archive.org/web/20130711014544/http://definest.co>

<sup>17</sup><https://www.voicehive.com>

<sup>18</sup><https://frontendmasters.com>

<sup>19</sup><https://clep.collegeboard.org/science-and-mathematics/calculus>

<sup>20</sup><https://www.credly.com/badges/9a8e2e91-5959-43d6-806a-63d0ab8862c5>

<sup>21</sup><http://clojurebridgemn.org/>

<sup>22</sup>[UndeadArt.org](http://UndeadArt.org)

<sup>23</sup><https://www.functionalgeekery.com/episode-59-eric-bailey/>

<sup>24</sup><https://web.archive.org/web/20170314130038/http://tech.mn/news/2013/08/21/know-this-nerd-meet-eric-bailey/>