Charles A. Beynon

Software Engineer - Elixir / Ruby on Rails

 eToThePiIPower
 linkedin.com/in/cbeynon
 @eulerpi.dev
 https://eulerpi.dev
 charles.a.beynon@gmail.com
 1-631-525-7672

As a dedicated and adaptable Software Engineer with a strong background in math, physics, and K-8 IT and computer education --- spanning over 10 years --- I have consistently demonstrated a passion for technology and problem-solving.

During my career in education, I developed and implemented creative tech-based learning solutions, enhancing student engagement and facilitating educators in integrating technology effectively in the classroom. My professional journey is complemented by a strong commitment to lifelong learning, which has driven me to continuously improve my skills and stay up-to-date with industry trends. This passion has fueled my return to software engineering, where I have been working independently on a range of projects to sharpen my development skills.

Following a period of personal reflection and recovery, I have re-entered the field with renewed focus, leveraging my experience to tackle complex challenges and contribute to innovative software solutions. My gap in traditional employment provided me with the time to refine my technical abilities and undertake several self-directed projects in web development and networked applications. I am now eager to bring my expertise and passion back to a collaborative engineering environment, where I can apply my diverse skill set and continue my growth as a software engineer.

Skills

Languages

- Elixir / Phoenix / Ash
- Ruby / Ruby on Rails
- HTML / CSS / TailwindCSS
- JavaScript

Technologies

- PostgreSQL
- RESTful APIs
- BEAM OTP
- Linux (Ubuntu, CentOS)
- Git / GitHub / Source control
- Amazon AWS
- Docker
- Mac OS Server (ACTC Certified)

Selected Projects

Redex

A Redis clone, designed to be compatible with the Redis TCP protocol, implemented in `:gen_tcp`. **Elixir 1.18** / **:gen_tcp**

Harmony

A discord-type chat service, with integrated Kanban board.
Phoenix 1.7 / **LiveView**

Bootstrap4Jekyll (https://github.com/eToThePiIPower/bootstrap4jekyll)
(2017–2022)

A theme for Jekyll based on Bootstrap 4. **Ruby** / **Jekyll** / **SCSS**

- Integrated, dynamically-generated résumé page, with printer-friendly stylesheet (you're holding it).
- Dynamically generated category indices via custom Ruby plugin.
- Responsive, accessible, and open-source

Octopress Image Caption Tag (https://rubygems.org/gems/octopress-image-caption-tag)
(2014)

A Ruby gem adding advanced, semantic image captioning support to Octopress and Jekyll. **Ruby**

Experience

Freelance web developer

New York, NY   January 2014–present

Occasional freelance work alongside personal side projects (see above). Contact me for further details.

Systems Administrator

Laurel Hill School

East Setauket, NY   May 2010–May 2013

Maintained and administered all technology on campus for ~50 staff and ~400 students, and teaching summer workshops for older students in Web Development, Digital Animation, and Video Game Design.

Education

B.S. Mathematics / Physics

SUNY Binghamton