

# Jonathan Ryan Johnson

## Full Stack Enterprise Web Application Developer Architect

jon@jrjohnson.dev

(650) 516-7401

<https://www.jrjohnson.dev>

 jrjohnson

---

### Profile

I build full stack web applications that people love to use because they are tested, highly scalable, secure, accessible, fast, and beautiful. The applications I create last because they are architected for maintainability and adoption, not based on the flavor-of-the-month framework or trend; instead, I adopt tools that are backed by strong open communities with long-term vision and an unwavering focus on backwards compatibility.

Building for the web, and in a team setting, has required me to become an expert in open source contributions and community, modern web standards, cloud systems, accessibility, automated deployment, continuous integration and system automation, team leadership, development, psychological safety, and generative AI user experience and integration.

---

### Skills

#### Technical

API Design and Development  
Web Application Development  
Accessibility  
Secure Application Development and Operations  
Test Driven Development  
Open Source Development  
Generative AI Integration UX  
Continuous Integration and Deployment  
AWS and Cloud First Architecture  
Opensearch

#### Domain

Working with and Building Diverse Teams  
Psychological Safety and People Management  
Educational Administration and Curriculum Development  
Open Source Community Maintenance and Communication  
Organization Architecture and Development  
Community Building  
Strategy, Budget, and Planning

---

### Sample Code

*PHP:* [Ilios Symfony Backend API Server](#)

*Javascript:* [Ilios EmberJS Web App](#)

---

### Talks

<a href="#">Ilios Architecture, Form Follows Function</a>	<a href="#">Cut Your Team Some Slack</a>
<a href="#">AI or Nay? Balancing Distraction and Utility</a>	<a href="#">Handling Complicated Tasks with a Chatbot</a>
<a href="#">Flow, Flex, and Ship: The Daily Practice of Agile Engineering</a>	<a href="#">Always Be Updating</a>
<a href="#">Jumping into Deep Work</a>	<a href="#">Career Day at Aragon High School</a>
<a href="#">Automagic Deployment with Github Actions</a>	
<a href="#">Microapps: A Covid-19 Case Study</a>	

---

### Recent Experience

#### Education IT

**Architect 2024-present** Continue to lead the development of the [Ilios platform](#) and the growing technical team, focusing on iterative improvements to the user experience for search and reporting. Develop and implement long-term technical and team strategies to meet the needs of the UCSF education community in partnership with Education IT and school

leadership. Ensure the long-term viability of the technical stack while managing short-term operational requirements for all enterprise teaching and learning applications and integrations.

## Teaching and Learning Applications

**Manager 2019–2024** While still maintaining a focus on technical leadership for the [Ilios platform](#) assumed responsibility for the Collaborative Learning Environment and the developers and support staff for CLE systems. Led the campus wide A3 effort to transform the organization and funding model for education at UCSF on behalf of the Committee for Educational Technology; facilitated internship with JCC and served as a mentor for diverse career switchers exploring technology; served as UCTech ambassador with a focus on creating an inclusive conference and recruiting first-time speakers; maintained uptime, stability, and security through multiple system upgrades; seamlessly transitioned to fully remote work; strengthened partnerships with LTG and school technologists during the transition to pandemic remote teaching; proactively advocated for moving our team to the new Educational IT organization and managed the uncertainty and chaos of that transitional while maintaining a rigorous Ilios release schedule and on schedule upgrade of Moodle; served on the Medibiquitous Technical Advisory Group as an API and medical education standards expert.

## Ilios Curriculum Management Platform

**Technical Lead, Architect 2014–2019** Managed the transition from a code igniter and YUI driven application to a modern Hexagonal Symfony API with an EmberJS frontend for a user-friendly, flexible, and robust web application to collect, manage, analyze and deliver curricular information in Medical Education. Recruited for, administered, and created a code of conduct for the UCTech slack a hugely successful diverse, cross campus collaborative community for technical staff across the University of California.

## Jazzee Graduate Admissions

**Architect, Developer, Evangelist 2009–2014** Designed and built the Jazzee admissions system to collect and manage graduate applications and payments. Built on an XML API and a revolutionary user customizable form builder with a focus on accessibility, usability, and security. Deployed for admissions at three University of California graduate schools for admissions.

---

## Education

BA History (Pre-Law)  
*University of the Pacific*  
**2003**

MA Educational Administration  
*University of the Pacific*  
**2005**