

# Jonathan Ryan Johnson

## Architect

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 jrjohnson

## Profile

Expert in team leadership, development, and psychological safety; enterprise web application development; generative AI user experience and integration; open source contributions and community; modern web standards; cloud systems; accessibility; automated deployment; continuous integration and system automation. Recognized for ability to adapt and expand with the growing needs of an organization and learn new skills as necessary.

## Skills

### 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

### 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

## Talks

Ilios Architecture, Form Follows Function  
AI or Nay? Balancing Distraction and Utility  
Flow, Flex, and Ship: The Daily Practice of Agile Engineering  
Jumping into Deep Work  
Automagic Deployment with Github Actions  
Microapps: A Covid-19 Case Study

Cut Your Team Some Slack  
Handling Complicated Tasks with a Chatbot  
Always Be Updating  
Career Day at Aragon High School

## Education

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

MA Educational Administration  
*University of the Pacific*  
2005

## Sample Code

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

Javascript: [Ilios EmberJS Web App](#) | [ember-cli-image-transformer](#) | [ember-noscript](#) | [ember-fontawesome](#)

## Recent Experience

### Education IT

**Architect 2024-present** Develop and implement long-term technical and team strategy to meet the needs of the UCSF Education community in partnership with Education IT and school leadership, ensuring the long-term viability of the technical stack and 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 Symphony 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.