Robert Boyce

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rboyce.com

Employment

BOYCE SOFTWARE + DESIGN

Software Engineering Consultant   April 2022 – Present

Providing technical and product advice to startups including:

- Applications of generative AI in creative tools
- System design review for projects such as a plugin-based layout engine and recurring tasks using Stripe API
- Acquisition of Chrome browser extension and integration with existing tech stack
- Engineering culture, team development, and performance management

META   October 2011 – April 2022

Engineering Manager (Messenger)

- Managed the Messenger Product Standards engineering team, responsible for the Messenger Design System and UI infrastructure
- Built tooling and process to ensure proper use of design components and APIs by product teams
- Worked with stakeholders across the product org to prioritize native app UI infrastructure needs
- Involved in planning & scoping of major initiatives like end-to-end encryption and iOS Messenger rewrite

Software Engineer (iOS)

- Established the Messenger Design System and worked on an app-wide redesign to adopt new, standardized components
- Tech lead for group messaging, shipped complex features like unsending, replies, and reactions
- Collaborated with Facebook Groups to launch chat in groups

User Interface Engineer

- Implemented Facebook Interface Guidelines for mobile web, the first attempt to codify design systems at Facebook
- Shipped site-wide performance improvements to XHP, a React-like server rendering framework
- Built "Pages You May Like," the first mobile ad surface on Facebook

Previous Work

PALM, INC. / HEWLETT-PACKARD CO. (WEBOS UNIT)

UI Developer   July 2011 – October 2011

- Developed fronted components of webOS system applications using Enyo framework
- Worked with advanced CSS3 web development techniques
- Prototyped future interface design concepts

Software Developer Intern   May 2010 – August 2010

YAHOO! INC.

Yahoo! Developer Network Intern   June 2009 – August 2009

WOLFRAM RESEARCH, INC.

Web Programmer   May 2008 – August 2008

Skills

Programming languages: Swift, TypeScript, JavaScript, Objective-C, PHP
Frameworks: SwiftUI, UIKit, AppKit, React, Next.js, Node.js
Languages: Advanced Japanese (JLPT Level 3 certified)

Education

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

B.S., Computer Science May 2011

Concentration in Human-Computer Interaction

Minor, Mathematics