

# JOSH LEWIS

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## SUMMARY

I'm a product-focused empathic engineer with 18 years of experience writing software.

- *Code* - PHP, MySQL, CSS, JavaScript and HTML since 2002; lately falling in love with Laravel and Vue.js
- *Lead Developer* - 5+ years at a growing startup; I was the first engineer hired
- *Apple's macOS Team* - I served on Apple's macOS team for 6 years as the primary contributor on an internal web application that shaped, guided, improved, and automated the core process used to build the software and security updates downloaded by millions of Mac users
- *Development Style* - quality code with the end user in mind; I love scaling services and automating repetitive processes; I'm passionate about the product development process and iterating to success

## EXPERIENCE

### Connect Team Lead - HomeSpotter

2018 to 2020

- Led a team of three other full-time engineers building dozens of white-labeled apps for iOS and Android; provided accountability, scheduling, planning and project management assistance
- Updated and maintained RESTful API written in PHP and GraphQL API written in Elixir

### Senior Web Developer - Morsekode

2014 to 2018

- Back- and front-end development using Laravel / WordPress for over 20 websites; custom CMS creation; database design and optimization; application architecture design; logic implementation; JavaScript (including jQuery and Vue.js); CSS / SCSS; asset building with grunt / gulp / webpack
- Made an Alexa app to introduce clients to Morsekode and employees; concept to finished in 3 weeks
- Co-created "Backstage" employees-only web application which helped employees request and manage PTO, file expense and purchase requests, send and receive files up to 5TB in size quickly and inexpensively both within the company and externally, and nominate co-workers for internal awards
- Feedback from co-workers and on my reviews included: "maybe the best communicator I've ever worked with", "despite being uber-intelligent, he never makes anyone feel dumb"

### Lead Developer & VP of Development - The Table

2009 to 2014

- Led development of a large-scale, complex social networking web application built on the Zend PHP Framework containing over 330,000 lines of proprietary PHP, JavaScript and CSS
- Scaled core service from zero users to over 125,000 with room to grow, helping the application climb to the 96th percentile of New Relic's "end user response time" performance metric while also averaging over 99.96% uptime in 2014
- Wrote scripts to merge two diverging MySQL databases with overlapping unique keys into one functional data set with zero data loss
- Single-handedly performed two datacenter migrations with minimal downtime

## **Freelance Developer** - Self-employed

2002 to Present

- Created custom secure portals to allow professional development coaches to send assessment invitations, display the assessment to the recipient, track assessment progress using a 3rd party API, render and deliver a PDF of assessment results, and alert coaches for follow-up
- WordPress & custom front-end and back-end web development for brittanyspantry.com, motivationalcore.com, and dozens of other business/organization sites
- Participated in the Nerdery Overnight Website Challenge 2010 (Team BIOS) using WordPress, PHP, JavaScript and CSS to make a website in under 24 hours for local non-profit organization
- Built PHP & MySQL ePortfolio application for art students to showcase artwork & writing; won Rambus/KCI award for innovation

## **Web Developer** - Enclarity Inc.

2008 to 2009

- PHP, MySQL, and jQuery web applications; allowed customers to quickly and easily take advantage of the complex results of Enclarity's data processing and filtering algorithms
- Developed internal jQuery-powered web application that streamlined processes

## **Engineering Program Manager & Web Developer** - Apple Inc.

2002 to 2008

- Defined, architected and wrote a PHP & MySQL web application used by hundreds of Apple employees which revolutionized the team's efficiency and process
- Build EPM/Lead EPM for macOS and security updates; survived and thrived in fast-paced environment
- Identified and automated areas in the macOS Software Update development process which had previously consumed an entire full-time employee's workload
- Collaborated with Apple's Build & Integration team; became expert on macOS's "mastering" process

## **SKILLS**

### **Technically & Creatively Battle-hardened**

- Using Unix on the command line since 2001, administrating Linux servers since 2009
- Skilled in MySQL, PHP, Object Oriented Programming, JavaScript, Vue.js, jQuery, HTML, CSS, JSON, XML, Git, Nginx, Apache; basic experience with Perl and Java; seemingly infinite hunger to learn more
- A highly rare level of Mac expertise, having spent over 50,000 hours on the Mac, both as a normal user and a member of the macOS team at Apple
- Able to create clear software UI / UX by empathizing with users and removing distractions

### **Personally & Socially Competent**

- Enjoyable to work with; one manager called me "universally liked" on a performance review
- Adept at not only verbal communication of all kinds, but well-organized and clear in all forms of written communication; I specialize in summaries
- Can keep my head above water in an ocean of email; lightning fast, clear and accurate with responses
- Personally, I'm interested in the maker movement, arduino, music composition & singing, writing, and LED throwies (see my video from 2006 on YouTube); I play the didgeridoo and piano

## **EDUCATION**

### **Bethel University**

Computer Science, B.A.; Music Composition, Minor

GPA 3.73

St. Paul, MN