E. Keller Davis

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Objective

To grow in knowledge of technology and in my ability to apply that knowledge in ways that enhance user and developer experience.

Experience

Senior Web Developer

October 2011 - Present

Harper Collins Christian Publishers

Oversee and develop (frontend and backend) public web properties, including regular site maintenance and security updates as well as new site development. Properties include Bible Gateway that receives over 150 million pageviews per month, WordPress websites that are seasonally busy, and static websites that receive a few thousand pageviews over their lifetimes. Additionally, create and support multiple mobile apps.

Application Architect

November 2008 - October 2011

Bible Gateway of Zondervan Publishing

Maintain and update the Bible Gateway website, including site redesigns, supporting API backend for new iOS and Android apps, creating a content management system, and regular site maintenance.

Software Developer

February 2007 - November 2008

Gospel Communications International

Develop, maintain, and update large websites, including Bible Gateway, Gospel.com, Think Christian, and Reverend Fun. Largest sites received over 100 million pageviews per month. Additionally responsible to provide any and all programming needs for Gospel Communications as their sole software developer.

Education

Bachelor of Science in Computer Science

Graduated 2006

Taylor University

Studies focused on software engineering, system design and analysis, and computer and network architecture.

Technical Skills

Programming Languages

PHP, JavaScript, Ruby, Python, Go, CSS, SQL, Java, Objective C

Programming Frameworks/Libraries

Node.js, Express.js, React.js and React Native, Laravel, Drupal, Ruby on Rails, PHPUnit, Selenium, Jest

Other Technologies

MySQL, PostgreSQL, NoSQL, Graphql, Amazon Web Services including EC2, S3, Cloudfront, DynamoDB, Lambda, Route53, SQS

Projects

BibleGateway.com

February 2007 - Present

Gospel Communications International, Zondervan Publishing, and HarperCollins Christian Publishing

Maintain and update this flagship property, including fixing bugs, adding new translations, developing new features, and updating designs. Originally built with PHP4 and Apache, the site has been updated to use PHP7, Nginx, and php-fpm.

Bible Audio App

April 2017 - September 2017

HarperCollins Christian Publishing

A mobile app for iOS and Android to play audiobook while displaying the corresponding text. I led this project, engineering and writing the majority of the code and ensuring current development best practices. The app was built using React Native, Redux, and Redux-Saga.

Study Gateway API and Mobile Apps

January 2017 - March 2017

HarperCollins Christian Publishing

An iOS and Android mobile app that lists and plays videos courses for Study Gateway property, as well as the API to support the Apps. The apps were built using React Native and API using Laravel.

HCCP Site Deploy System

May 2016

HarperCollins Christian Publishing

A system to allow both external contracted developers and internal developers to deploy PHP websites to main web application server. It handles multiple types of backend frameworks and software including Laravel, Wordpress, and custom PHP applications. The system was built in Python and uses AWS Lambda and SQS. A status dashboard was built using React and uses AWS S3 and Lambda.

Bible Gateway User Data and Sync

May 2012 - February 2013

Zondervan Publishing

A backend API service for the site and mobile apps to store and sync user-generated data. The API was built in PHP and uses DynamoDB to store the data.

Bible Gateway Content Management System

July 2011 - October 2011

Zondervan Publishing

A new website and system that allows the content team to create and maintain content on the main Bible Gateway website. Content is created and maintained in Drupal but cached on Memcache servers and served from Biblegateway.com Nginx servers.

Gospel.com

March 2007 - September 2007

Gospel Communications International

Created a new property that had 3 separate parts. Main site for public users, Bookmarks for partners to add content, and Admin for administrative staff. The site was built in PHP and JavaScript and used MySQL for the database. I was later responsible for turning the entire main website into a static html files, hosted on S3 in 2016.

Capstone Scheduling Project

January 2006

Taylor University

Created a web-based system for students to easily plan four-year class plans. The project was built in PHP and JavaScript and used many new techniques at the time including a "drag and drop" interface in JavaScript and used Ajax.