Michael Irigoyen

Front-End Software Engineer

michael@irigoyen.dev
https://www.irigoyen.dev

CAREER

Accusoft Corporation

Senior Software Engineer II / Scrum Master • SEPTEMBER 2015 – CURRENT

As a senior software engineer, I work daily in a continuously delivered React and Node.js microservice environment. Regularly, I take the lead on designing or implementing new functionality for our SaaS-based applications. I continuously work to improve the quality of my code through extensive unit and integration testing, as well as employing functional programming techniques and good coding patterns. Additionally, I explore DevOps related tasks that can help improve the quality of life for the engineering team.

As a scrum master, I facilitate and create opportunities each sprint for the team to succeed. I consistently research, analyze, and experiment to ensure our Scrum process runs smoothly and without interruption so the team can focus on reaching their goals.

Intervest Construction, Inc.

Web Administrator / Developer • APRIL 2013 – SEPTEMBER 2015

As a web administrator, I maintained a cloud-hosted LAMP stack which hosted approximately a dozen separate sites. I engineered solutions for our cloud-hosted stack to securely communicate with locally hosted resources in an efficient manner.

As a web developer, I engineered a custom content management system (CMS) in PHP to showcase our home inventory on the web. Through storyboarding and market research, I designed a visually stunning web front-end. The front-end was built on top of the CMS in HTML 5 and JavaScript. Additionally, I developed standalone web applications for large touchscreen kiosks in several of our physical sales centers.

Illinois State University

Web Applications Developer • FEBRUARY 2008 – APRIL 2013

My success as a student web developer translated into a full-time web applications developer upon my graduation from Illinois State. I continued to iterate and improve the Help Desk knowledge base site while I added a variety of departmental websites to my development responsibilities. As I became more comfortable in my developer role, I began to mentor staff members and student workers of the Help Desk who were also working on web projects.

Illinois State University

Student Web Developer • OCTOBER 2005 – FEBRUARY 2008

As a student web developer, I took on the daunting task of developing a brand new knowledge base content management system (CMS) for the University Computer Help Desk. I utilized PHP for the back-end and designed an HTML and JavaScript front-end. During my time as a student, I experimented and researched constantly, leading to a complete overhaul of the front-end UI within one year.

EDUCATION

Illinois State University
B.S. Technology • GRADUATED 2007

I studied Technology at Illinois State University, because I enjoyed learning about a wide variety of topics. The technology program offered opportunities to explore computer operating systems and hardware, networking, electronics, and programming, instead of focusing on just one specific area. This allowed me to focus on the topics I found the most interesting as I moved into my professional career, while also having a well-rounded background to critically attack any problem I encountered.

I participated in several activities and societies while at Illinois State. I am an alumnus of Phi Mu Alpha Sinfonia, and I was a member of the drumline in the Big Red Marching Machine.

PATENTS

Methods and Apparatus for Supporting the Display and Editing of OOXML Document Content Using a Web Browser
US 16/359,739 • PATENT PENDING

Patent relates to document storage, display and/or editing and, more particularly, to methods and apparatus which allow a device to display and edit a document using a Web browser, without having to support direct OOXML format document rendering and editing.

CERTIFICATIONS

Zend Certified Engineer
#ZEND004465 • MARCH 14, 2007

The Zend Certified PHP Engineer is an industry-wide standard that recognizes PHP expertise and is a measure of distinction that employers use to evaluate prospective employees.

CompTIA Network+ Certified
#W6WPDLLBYE41QMY5 • APRIL 7, 2006

Network+ ensures an IT professional has the knowledge and skills to design and implement functional networks, configure, manage, and maintain essential network devices, implement network security, standards, and protocols, and troubleshoot network problems.

Zend Certified Engineer
#C4EZM4Y1X24EYP0Z • JUNE 10, 2005

CompTIA A+ certified professionals are proven problem solvers. They support today's core technologies from security to cloud to data management and more. CompTIA A+ is the industry standard for launching IT careers into today's digital world.

REFERENCES

References available upon request

1UP: Empowering Communities with APIs

Presented at API: World — San Jose, CA • OCTOBER 9, 2019

Good APIs can level-up the dev life, but great APIs can bring an "Extra Life" to kids in need. In this talk, we discuss building a JavaScript API that can be used in 3 different ways from the same source code with the goal of making it easier to help raise money for sick kids in our communities via the Extra Life fundraiser.

Slides: https://www.irigoyen.dev/presentations/1up-empowering-communities-with-apis

Design Your API for Humans

Presented on Main Stage at API: World — San Jose, CA • SEPTEMBER 12, 2018

Throw away the notion of building something for a computer to consume. Let's determine what your users need to successfully and easily implement your interface.

Slides: https://www.irigoyen.dev/presentations/design-your-api-for-humans

The API User Experience

Presented at API: World — San Jose, CA • SEPTEMBER 11, 2018

Why aren't people using your API? Why aren't people using your product? Let's determine how to define why and discuss a successful implementation and usage process.

Slides: https://www.irigoyen.dev/presentations/the-api-user-experience

Continuous DevOps

Presented at DeveloperWeek — San Francisco, CA • FEBRUARY 14, 2017

DevOps emphasizes quality-of-life improvements at all stages of the software delivery process, not just through continuous integration/deployment. Learn more about Accusoft's approach into implementing Continuous DevOps.

Slides: https://www.irigoyen.dev/presentations/continuous-devops

Nobody Cares About Your UI

Presented at BarCamp Tampa Bay — Tampa, FL • OCTOBER 1, 2016

For back-end developers jumping into front-end work, UI and UX can be very daunting. In this presentation we will answer: What is UI and UX design? What are common misconceptions? What external factors do we need to consider when working in the front-end?

Slides: https://www.irigoyen.dev/presentations/nobody-cares-about-your-ui