

Lead Software Engineer

Kevin Westropp

Professional summary

Experienced software engineer with over ten years experience and a proven track record for delivering results. Experience includes leading teams, coordinating projects, mentoring developers, optimizing performance, enhancing user experiences and delivering high quality solutions. Proficient in various technologies and programming languages including Python, Java, JavaScript, TypeScript and SQL. Holds a Master's degree in Computer Science and is actively involved in volunteer work, mentoring students and contributing to environmental initiatives.

Experience

Software Engineering Team Lead

February 2022 - August 2023

Tipico / United States, Denver, CO

I led a skilled Product Development team in the creation of the primary sports betting application. Collaborating closely with various stakeholders, including product owners, developers, designers, and analysts, I successfully managed multiple ongoing project requirements, ensuring the timely delivery of project solutions. My role involved mentoring and guiding developers to enhance their programming skills, thereby improving overall team performance. Additionally, I played a key role in driving innovative UX designs to elevate user experiences across different applications. I conducted thorough reviews of front-end designs and code development to maintain high-quality standards and optimize performance. Collaborating with Quality Assurance Engineers, I expanded the testing suite for consistent regression testing and minimal customer issues. Working closely with the Infrastructure team, I enhanced the Continuous Integration/Continuous Deployment (CI/CD) pipeline, streamlining development processes. I provided valuable insights in the engineering hiring process, contributing to talent acquisition efforts. Moreover, I collaborated with Product Management on team capacity planning, facilitating resource allocation and optimizing project execution. My proactive approach involved monitoring and investigating performance degradation, resolving issues to optimize application performance. I spearheaded a significant overhaul of the data analytics pipeline, starting with customer engagement in the front end, to drive project development resources.

Lead Front-End Engineer

October 2020 - February 2022

Brinks Home Security / United States, Denver, CO

As the leader of the Product Development team overseeing customer-facing web-based development, I effectively coordinated project requirements among stakeholders, developers, consultants, designers, and analysts, ensuring seamless collaboration and timely project delivery. In my role, I provided mentorship and guidance to fellow developers, focusing on their skill development and methodologies to enhance the overall capabilities of the team. I played a pivotal role in the development and implementation of new UX designs, streamlining processes and improving the user experience across various touchpoints. Collaborating with IT teams, I contributed to building infrastructure and workflows for automating customer lifecycles, leading to increased efficiency and customer satisfaction. Additionally, I conducted thorough reviews of front-end designs and code development, championed performance improvements across different tech stacks, and served as the technical point of contact for new UX rebranding efforts, ensuring successful execution aligned with business objectives. Managing production and DevOps for all front-end code changes, I performed code reviews to maintain code quality and adhere to best practices. As a cloud architect, I utilized AWS, Heroku, Git, and other SaaS applications to host and maintain the brinkshome.com domain and

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📍 United States, Denver, CO

Links

🌐 kevinpatrickwestropp

🌐 highlanderkev

https://kevinpatrickwestropp.com

https://highlanderkev.dev/

Education

Master of Science (MS), Computer Science

2012 - 2014

DePaul University

United States, Chicago, IL

Earned a Master's in Computer Science which involved advanced studies in computer-related topics, and provided in-depth knowledge and expertise in areas such as programming languages, software development, algorithms, data structures, artificial intelligence, and more. My educational journey included coursework, projects, and a capstone project, allowing me to specialize in software architecture.

Bachelor of Arts (BA), English and Mass Communications

2004 - 2008

The University of Iowa

United States, Iowa City, IA

Skills


Software Development 

Quality Assurance 

Product Development 

Leadership 

Team Management 

Project Management 

subdomains. Furthermore, I managed analytics tracking of user interactions on the site and maintained Google Tag Manager (GTM) tags to ensure accurate data collection.

Senior Front-End Engineer

November 2018 - October 2020

Brinks Home Security / United States, Chicago, IL

I specialized in developing high-quality and visually appealing user interfaces by creating front-end website components using Vue.js, HTML, CSS, and JavaScript/TypeScript. I successfully led the migration of legacy jQuery code to a Vue.js-based implementation, improving code maintainability and enhancing performance. Additionally, I played a crucial role in setting up and guiding the content authoring solution for marketing, contributing to the establishment of efficient content management practices. Furthermore, I facilitated the migration of legacy Ruby on Rails platforms to a new static web platform powered by Nuxt.js, Contentful, and Netlify, ensuring a modern and scalable architecture. I actively participated in architecting custom content modeling integration with the front-end system, utilizing Contentful, Nuxt.js, and Netlify to streamline content delivery and enhance user experiences. Conducting code reviews to ensure high-quality standards, optimizing code efficiency and maintainability, was a key aspect of my responsibilities. Collaborating closely with UX designers, I translated design concepts into functional front-end code and markup. My role involved diagnosing and resolving bugs across the technical stack to ensure smooth and error-free user experiences. As a mentor to other developers in front-end development, I shared best practices and fostered a collaborative and growth-oriented team environment. I successfully managed projects from ideation through implementation, ensuring timely delivery and alignment with project goals and objectives. Serving as a brand and UI ambassador to other development teams within the organization, I promoted consistent design and user interface standards.

Senior UI Developer, Senior Consultant

May 2018 - November 2018

TransUnion / Chicago

In my role at TransUnion, I played a key role in enhancing consumer marketing web pages by leveraging a robust skill set in HTML, CSS, Sass, JavaScript, and TypeScript. Through the implementation of best-in-class development techniques, I significantly improved UI designs and optimized front-end code, resulting in visually appealing and high-performing websites. My focus extended to driving performance enhancements across all TransUnion websites, ensuring a seamless and efficient user experience. Additionally, I actively contributed to process improvements, optimizing development workflows and integrating Agile methodologies for iterative development and efficient project management. As a mentor, I conducted code reviews, provided guidance on high-level designs, and fostered a culture of continuous learning and growth within the development team. Serving as the Product Owner for the site-wide CMS solution, I led the implementation and management of the content management system, contributing to streamlined content delivery processes.

Senior Front End Developer

July 2017 - May 2018

Accenture / Chicago

In my role as a Senior Front-End Developer at Accenture, I collaborated closely with clients to develop innovative single-page web applications using AngularJS, tailored to meet specific requirements and objectives. I conducted thorough code reviews, both for external and internal developers, ensuring strict adherence to high-quality standards and best practices. Leveraging my extensive knowledge of web standards, I optimized new projects, enhancing overall performance and user experiences. Demonstrating proficiency in front-end development, I utilized a diverse technology stack encompassing HTML, CSS, Sass, JavaScript, Angular, Node.js, Express.js, as well as cloud platforms like Azure and AWS to create robust and scalable applications. Additionally, I played a leadership role in designing and implementing a custom authentication framework using Angular and Azure.

Certifications

IBM Data Engineering Professional Certification

February 2024 - March 2024

Courses

Web Application Architectures

2014

University of New Mexico

Functional Programming Principles in Scala

2014

École Polytechnique Fédérale de Lausanne

Software Security Architecture

2014

DePaul University

Mining Big Data

2014

DePaul University

Distributed Systems

2014

DePaul University

Web Application Development

2014

DePaul University

Data Structures and Algorithms in Java

2014

DePaul University

Database Programming

2014

DePaul University

Neural Networks and Machine Learning

2014

DePaul University

Languages

◆ Python ◆ JavaScript ◆ TypeScript

◆ Java ◆ Scala ◆ SQL ◆ C#

◆ C++

<https://coursera.org/share/707ccbf3886b72681a09822d5230d498>

Meta Database Engineer Professional Certification

December 2023 - January 2024

<https://coursera.org/share/f5a1ee40268e15544b8832a9e73457e3>

IBM Full Stack Software Developer Professional Certification

October 2023 - November 2023

<https://coursera.org/share/5c617a0091e35e1374f3cd8606c6ff13>

DeepLearning.AI - Deep Learning Specialization

November 2023 - December 2023

<https://coursera.org/share/c5bfa60ad75e44ff1e70d25be945da39>

DeepLearning.AI - Mathematics for Machine Learning and Data Science Specialization

September 2023 - October 2023

<https://coursera.org/share/139e1c08c3bd54f0993c34bfc16fd37>

DeepLearning.AI - Machine Learning

August 2023 - September 2023

<https://coursera.org/share/a9e1800c0455b172674a1054bc6b39ff>