

Marty Kane

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I am a software engineer with fifteen years of experience building web applications. I have knowledge of the full web stack as well as high-level system architecture and project management. I am passionate about writing clean code, building quality systems that will stand the test of time, and mentoring junior colleagues.

I am looking for a Staff / Principal software engineer role where I can work directly with stakeholders to bring their vision to life. I am also open to Tech Lead or Team Leads roles for small project teams.

Languages and Technology

Experienced: TypeScript, JavaScript, NodeJS, React, Vue, MongoDB, Java, MySQL, HTML, CSS, Git

Knowledgeable: Redux, Angular, Python, PHP, Symfony, Docker, REST APIs, JSON Schema

Practitioner: TDD, Agile, Software Architecture, Domain Driven Design, Object-Oriented Programming

Work History

Senior Software Engineer, Bison Technologies – Sept 2021 - April 2023 <https://bisonok.com>

- Built features in an agile team using TypeScript, Vue, Node, Nest.js and MongoDB.
- Worked with product, UX and visual designers to define requirements.
- Released a progressive web app and back-office browser app to handle unattended user interaction at remote locations.
- Built a responsive, internationalized version of the progressive web app in React and SST.
- Replaced a third-party system invoicing, saving the company ~\$500k annual costs.
- Mentored junior colleagues, did extensive code review, and led book-group style discussions.

Lead Software Engineer, CME Group – Jan 2019 - Sept 2021 www.cmegroup.com

- Developed features with a remote team located in Chicago
- Lead software projects, including scoping and task breakdown for junior engineers
- Provided direction on code design and implementation as well as code review
- Recruited, hired, managed and mentored a group of interns each year

Director of Technology, Pixo – Sep 2016 - Dec 2018 www.pixotech.com

- Designed the technical architecture and contributed to the development of projects.
- Responsible for approach, scope, and estimation of incoming projects and sales leads.
- Direct manager of two teams of developers, oversaw team-wide professional development
- Established team standards for code quality, source control conventions, pair programming, and documentation. Recorded in a “developer handbook”.

Senior Lead Software Engineer, Pixo – Jan 2014 - Sep 2016

- Tech lead on multiple projects, responsible for technology choices, design and code quality
- Collaborated with other developers, project managers, UX, QA, and graphic design to implement and launch client projects on schedule and within budget.

Software Developer, Wolfram Research – *Aug 2007 - Dec 2013*

www.wolfram.com

- Member of the core Wolfram|Alpha web site team, launched the site in 2009
- Lead developer on two-year Wolfram|Alpha Developer Portal project including a builder for customized embeddable web calculators.
- Maintainer the Wolfram|Alpha REST API serving millions of requests a day
- Trained and mentored numerous junior developers including code reviews

Education

B.S. in Computer Science from Hope College in Holland, MI

References

Available upon request

Other Professional Activity and Presentations

I have presented at conferences, mentored with an online bootcamp, and done one-on-one mentoring. Please see my personal web site for more: <http://martykane.org/>