mike **kreiser**

lead software engineer • chicago, illinois
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EXPERIENCE

Nextcapital • **Chicago, Illinois**
Lead Software Engineer • **February 2018 - Present**
Software Engineer • **July 2017 - February 2018**

- Led the architecting and development of a proprietary front-end MVA framework built on the principles of re-usability, modularity, and configurability.
  - Reduced front-end implementation time by 75% over existing patterns and technology.
  - Worked with designers, project managers, partner managers, and executives to identify use cases and features the framework needed to support.
  - Architected a modular project pattern to allow for better code organization, the ability to consume modules outside of the framework, and the ability to swap modules out as needed.
  - Architected and developed a component library matching Nextcapital's strict in-house design language with cross-browser compatibility, accessibility, and print (email/PDF) support.
  - Developed a class-based adapter layer with ES6 Javascript that implemented state management, abstracted concept logic (Account, Plan, etc), and class override functionality.
  - Developed a configuration layer on top of the adapter layer that essentially "decorated" an adapter for the view layer, enabling automatic, configurable, and customizable view generation.
  - Architected and developed a view layer using React and a high-order component pattern with generic components (Page, Table, Row, etc) that could be parsed into web views, email documents, and PDFs.
  - Reduced dependencies to React and lodash.
  - Implement standard module configuration and scripts with babel, webpack, eslint, and jest.
- Developed and assisted teams developing applications with the framework, both partner and internal facing.
- Worked with designers and executives to architect a platform deprecation strategy to move existing implementations onto the framework.
- Drove conversion to semantic versioning, improving development workflows and work management.
- Refactored the software engineer interview process to improve objectivity, remove biases, and directly evaluate "soft skills" and values critical to Nextcapital's mission and strategy.
- Prototyped continuous integration platforms in an effort to reduce build queues and build times.

Nextcapital • **Chicago, Illinois**
Software Engineer Remote Intern • **August 2016 - May 2017**
Software Engineer Intern • **May 2016 - August 2016**
Software Engineer Intern • **June 2015 - August 2015**

- Implemented a new landing site.
- Integrated a new MFA feature into the UI.
- Developed server-side generation of dynamic PDF reports based on user and tenant data.
- Collaborated with designers and developers to implement new features and resolve defects.

Ohio Department of Transportation • **Columbus, Ohio**
Consultant • **November 2014 - June 2016**
Intern • **June 2014 - August 2014**

PROJECTS

ESPN Fantasy Football API
API Client • GitHub and NPM

Illinois Track Club Website
illinoistrackclub.com

Personal Website
Portfolio • mikekreiser.com

SKILLS

Proficient in Javascript • ES6 • React • CSS/SASS • Python • Django • Git • JIRA
Exposure in Ruby • Java • C • C++ • Haskell

EDUCATION

University of Illinois at Urbana-Champaign • **May 2017**
Bachelors of Science with Honors, Computer Science
GPA: 3.76