

# Keith Martin

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## EDUCATION

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Oswego, NY	SUNY Oswego	August 2013 - May 2017
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- **Major:** Software Engineering, B.S.
- **Programming coursework:** Networking, Parallel Computing, Principles of Programming, Data Structures and File Processing

## EMPLOYMENT

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Software Engineer	New York State Education Department	May 2018 – Present
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- Redesigned and refactored a Java application that loads data from excel workbooks into a database by transforming it into a microservice for use in other applications.
- Reduced data load time of the Java application by 50%, using the Java concurrent package and sending concurrent batches of data.
- Implemented automated testing in the Java application by writing unit tests with JUnit to prevent bugs in future development.
- Developed the front end and back end code in a web app to allow school admin to modify other school admin positions.
- Leveraged knowledge in full stack web development, Java Spring, Java concurrent package, jQuery and programmed in Java, JavaScript, HTML and CSS.

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Associate Software Engineer	IBM	December 2017 – May 2018
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- Worked as a member of the build and deployments team.
- Developed SQL scripts in SQL developer to execute database updates.
- Utilized Jenkins to build and deploy projects and made any necessary fixes if the build and deploy process failed at any point.
- Leveraged knowledge in databases, SQL Server, Jenkins, and programmed in SQL.

## PROJECTS

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[www.github.com/kmartin21](https://www.github.com/kmartin21) (to view code of below projects and more on GitHub)

**Good News** - <https://gnewsapp.herokuapp.com>

- Developed a full stack web app with MongoDB, Express, React and Node that displays a feed of positive news articles and allows users to sign up and save articles to read later.
- Designed a RESTful API with Node, Express and MongoDB enabling stories to be saved to a database for a user.
- Utilized a sentiment analysis library to analyze and filter negative news articles from News data provided by an API.
- Utilized: React, Redux, React Router, Semantic UI React, Jest, Enzyme, MongoDB, Express, Node, Mocha, Chai, Sinon

**Filmbase** - <https://filmbaseapp.herokuapp.com>

- Built a full stack web app with MongoDB, Express, React, Redux and Node allowing a user to create a collection of favorite movies, read and write movie reviews and discover new movies.
- Developed the front end with React and Redux and used CSS flexbox for a responsive design.
- Utilized: React, Redux, React Router, CSS, MongoDB, Express

**Discovent** - <https://discovent.herokuapp.com>

- Built a web app with React and Redux that lets a user discover events happening in different countries, shows detailed event info and where to purchase tickets.
- Wrote unit tests with Jest and Enzyme to prevent bugs in future development and to create code documentation.
- Utilized: React, Redux, React Router, CSS, Jest, Enzyme

## TECHNICAL SKILLS

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- **Languages:** Java, JavaScript, HTML, CSS, SQL
  - **Frameworks & Software:** React, Redux, Node, Express, MongoDB, SQL Server, Java Spring, jQuery, Gradle, VS Code, IntelliJ, Git, SVN