

# Kellen Schmidt

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kellenschmidt.com

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## EDUCATION:

**Southern Methodist University**, Dallas, TX

Graduated: May 2019

- B.S. Computer Science
- GPA: 3.81
- Completed coursework in GUI Design, Databases, and Advanced Web App Development

## WORK EXPERIENCE:

**Capital One**, Software Engineer Intern

June - Aug 2018

- Created a full-stack web application to track and visualize customer email communications for call center agents
- Developed a Java stream application to consume from 3 Kafka topics and a Cassandra database hosted on AWS
- Implemented a Java Spring API to expose a PostgreSQL database of the aggregated Kafka and Cassandra data
- Collaborated between teams to integrate the completed product into an existing production application
- Formally presented the solution to senior business and technology executives

**Southwest Airlines**, Software Engineer Intern

Jan - May 2018

- Designed and implemented a web application to analyze data quality and replace an old, unmaintainable system
- Prototyped different programming languages and libraries and presented a recommendation to senior leaders
- Developed the front-end using React to display tables and graphs in a more clear and productive manner
- Decreased by 50%, the work for analysts who use the application daily to confirm the quality of the data
- Engaged in Scrum to promote team collaboration and provide frequent and iterative delivery of business value

**BakeMark**, Software Development Contractor

Dec 2018 - Apr 2019

- Implemented a cloud-based web application for salespeople to collect product data about competitors
- Developed frontend using React/Redux, API using Express, and data storage with AWS Aurora and S3
- Managed all aspects of the project from SDLC to coordinating frequent communication and meetings with client

## SKILLS:

- React | Angular | Vue.js | Node.js | Redux | GraphQL | JavaScript ES6+ | Sass | SQL | Python | C++ | Java | Bash
- Docker | Kubernetes | GitHub | Scrum | AWS/GCP/Azure | CI/CD | Mongo | Jira | Jenkins | JUnit | MS Office

## PROJECTS:

**Interactive Resume Personal Website**, [kellenschmidt.com](http://kellenschmidt.com)

- Created an interactive resume website completely from scratch, written in Angular 7 and responsively designed
- Architected and implemented a RESTful API to dynamically load the content of the site from a MySQL database
- Used a CDN to optimize image load times and a database GUI to manage the site's content in real-time
- Containerized each application component using Docker to standardize development and deployment

**URL Shortener Website**, [kellenschmidt.com/url](http://kellenschmidt.com/url)

- Developed a website using Angular 7 and a RESTful API to create, manage, and redirect short URLs
- Built robust user account functionality utilizing JSON web tokens, password hashing, and authentication
- Added detailed logging to track all page visitors and website interactions

**Infrastructure for Personal Website**

- Designed a Kubernetes orchestrated infrastructure hosted on AWS to deploy and manage [kellenschmidt.com](http://kellenschmidt.com)
- Integrated with CircleCI to enable continuous integration and zero-downtime deployments for all applications
- Exposed the Kubernetes dashboard with GitHub OAuth to monitor and interact with the infrastructure remotely

## ACTIVITIES:

Competitive Soccer Referee (2012-present)

- Refereed top-level competitive youth, adult, and college matches, learned analytical and communication skills

Kappa Sigma Fraternity (2015-2019)

- Served as Academic Chair, organized studying events and tutored and mentored new members