Bill Kremer

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Skills

MEAN Stack:	JavaScript	Bitbucket	Nodemailer
MongoDB	PostgreSQL	Heroku	Amazon Web Service S3
Express	jQuery	HTML5	D3.js
AngularJS	npm	CSS3	Project Scoping
Node.js	Git	Sass	Toyota Production System
	GitHub	Bootstrap	/ Lean Manufacturing

Software Engineering Experience

Software Engineer Contractor   2017 - Present

Developed the front-end logic and interface for a simulation training tool that allows users to change 24 various parameters for tunnel tie-backs to understand the results of the changes to help prevent tunnel collapse.

This simple tool saves time and money by allowing users to test various configurations and identify initial solutions, rather than relying on time-intensive, complex modeling to find similar results.

Technology: JavaScript, D3.js, HTML5, CSS3

Full Stack Software Development Student   2016 - 2017

Prime Digital Academy

Solo Project: Baba Baby Boom   https://baba-baby-boom.herokuapp.com/

Busy parents often have very little time to think about maintaining a baby book and sending updates to grandparents.

Baba Baby Boom allows parents to maintain and update a log of baby's achievements and recent photos, and sends a simple email to the parent's contact list sharing those recent achievements and photos.

Technology: PostgreSQL, Express, Angular, Node.js, Nodemailer, Amazon Web Services S3, Bootstrap, Heroku

Group Project: Angel Foundation Reporting Program

Gathering statistical data for grant applications and reports currently requires Angel Foundation staff to wait until the database administrator is able to retrieve the information.

This report-generating web application allows Angel Foundation staff to quickly and easily obtain the information they need to complete the work for their customers.

The application also allows the staff to save their frequently used data searches for use later. Data visualizations such as charts and graphs help create dramatic presentations.

Technology: PostgreSQL, Express, AngularJS, Node.js, D3.js, Bootstrap, Alertify, Heroku

Donaldson Company   2011 - 2016

Created websites for corporate safety programs including computer-based training programs, regulatory tracking, and recordkeeping.

Technology: MS SharePoint

Safety Engineering Experience

Hands-on safety professional, responsible for developing and leading implementation of health and safety strategies at company production sites. Primary point-of-contact for safety-related issues companywide.

Partner with executive-level management to front-line production employees to ensure complete and effective implementation of safety best practices and company goals.

Taught site management teams to identify risks, develop action plans and preventative actions, and implement quality solutions, not workarounds, saving time and money.

Performed hundreds of safety program training sessions for students, including verification of understanding to ensure a highly capable workforce that understands why. Developed new and relevant training materials including hands-on and cooperative learning assignments.

Skills

Computer-Based Learning Development	Toyota Production System / Lean Manufacturing
Training Programs Content Creation	Occupational Hazard Auditing
Training for Employees and Management	Routine Communication with Site Contacts
MS SharePoint Data Management	Regulatory Knowledge and Understanding
Safety Management Systems	

Key Projects

Created SharePoint libraries and input forms to store and manage data from routine air contaminant and noise sampling to validate legal compliance with local, regional and national regulatory limits.

On-site safety and health representative for a site modernization project, implementing company strategies, training employees, and addressing hazards during a substantial renovation of over half of the plant.

Established a formal Fleet Safety program for more than 400 company truck drivers using input and feedback from a diverse group of fleet management, dispatchers and drivers.

Positions

Senior Safety Engineer; Donaldson Company, Inc.	2011 - 2016
Occupational Safety & Health Consultant; Milk Specialties Global	2010 - 2011
Corporate Safety Program Manager; Nash Finch Co. [now SpartanNash]	2008 - 2010
Industrial Hygiene Engineer / Health Investigator; MN Department of Labor and Industry - Occupational Safety and Health Administration	2000 - 2008

Education

Full-Stack Software Engineering Certification, 2017

Prime Digital Academy

B.S. Chemical Engineering, 1999

Michigan Technological University

Community Involvement

JavaScript MN - Meetup Group - Member

Angular MN - Meetup Group - Member

American Society of Safety Engineers - Northwest Chapter - Member