



# David Nelson

## Full Stack Developer

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web: www.cordelia.info

## EDUCATION

### University of Idaho

Bachelor of Science: Chemical Engineering  
1979 - 1983

Master of Science: Chemical Engineering  
1983- 1985

*Thesis: Model Development of Blanching and Drying for Flowsheet Simulation in the French Fried Potato Industry*

### University of Massachusetts

PhD: Chemical Engineering  
1986 - 1989

*Dissertation: Preliminary Retrofit Design of Chemical Processes*

## SKILLS

### Front End UI

Javascript, TypeScript, HTML, CSS, Angular, Bootstrap, Node

### Server and Desktop

Visual Basic, Fortran, Windows Microsoft Server, C#

### Cloud

Amazon Web Services, Microsoft Azure, Github

## ABOUT

David is happily married and has two adult daughters with whom he shares a love of rafting and the outdoors. He is involved in many volunteer activities, including Rotary Youth Exchange for District 5080, Latah County Democrats (Chair, 2008 - 2015), and the Moscow Food Co-op (Boardmember, 2016 - Present).

## WORK EXPERIENCE

### KBC, A Yokogawa Company

Fellow and Vice President of Development for Soteica Visual MESA

2016 - 2018

Yokogawa international acquired Soteica Visual Mesa LLC in 2016 and integrated it into KBC. David continued in charge of development for the Soteica Visual Mesa software group and successfully lead the migration to an Angular and Bootstrap based HTML front end.

### Soteica Visual MESA LLC

Chief Technology Officer

2012 - 2016

David was the primary architect and lead developer of Visual MESA, the flagship energy management product of Soteica Visual MESA, LLC. Soteica Visual MESA, LLC provides software to manage energy use in real-time to oil refiners, chemical manufacturers, ethanol plants and district energy installations. Customers include ExxonMobil, Chevron, Repsol, BP, Shell, Ineos and the Texas Medical Center.

### Visual MESA LLC and Nelson & Roseme, Inc.

Owner and Managing Partner

1997 - 2006

David founded Nelson & Roseme in 1997 with the purpose of building and deploying the Visual Mesa energy management package. In 2006, he became managing partner of its successor Company Visual Mesa LLC.

### Chevron Research & Technology

Senior Process Engineer, Energy Management Team

1989 - 1996

David started his career at Chevron Research & Technology as part of their Energy Management Team and Advanced Computing Team. Later, as part of the Energy Management team, he developed G2/Mesa (the predecessor of Visual Mesa) and helped deploy it to all major Chevron refineries.