

Eric Knudtson

UX Design Technologist

Palo Alto, California
Mobile: 925.640.7656
Email: ericknudtson@gmail.com
Website: ericknudtson.com

GE Digital - Design Technologist

2013 to Present • San Ramon, California

I work with the Predix UI team to architect and develop the Predix Design System for GE Digital's Industrial Internet platform.

My individual contributions include:

- Investigating architecture and best-practices for design system module development
- Implementation of UI widgets and components using HTML, CSS, Javascript, SASS, & Polymer
- Maintenance of enterprise-scale CSS framework
- Prototype application development using Bootstrap, Backbone.js, Angular.js, jQuery, other libraries
- Design and development of data visualizations using D3.js javascript library
- Developer Experience research - interviews, contextual observation, task-based analysis
- API design of microservice to persist UI state across user sessions and contexts. I collected requirements from customers to define a conceptual model, and implementation model.
- API development using Node.js, Express.js, Strongloop LoopBack framework
- Improvements to Continuous Integration & Continuous Delivery development pipeline using Web Component Tester, Gulp, Grunt, Github, Jenkins, Cloud Foundry, and TravisCI
- Establishment of Contribution and Governance process to accept design and development contributions to the core Predix UI design system from internal teams and 3rd party developers
- Developer Evangelism of design system via conference presentations, and training of dev teams

Chef Surfing - Co-founder, Designer and Developer

2011 to 2012 • Buenos Aires, Argentina and Santiago, Chile

Chef Surfing was an online marketplace startup, connecting over 1,000 professional chefs to local customers to deliver amazing catered experiences. I served as a co-founder, UI designer and front-end developer. I led our tiny team of three to bring the Chef Surfing vision from conception to reality, iterating continuously based on customer feedback and research, while maintaining a steady pace of development. Invited to Startup Chile seed fund program and Local Food Lab accelerator.

Freelance - Web Designer and Developer

2007 to 2011 • Buenos Aires, Argentina

I led design and development of multilingual e-commerce web sites and apps, establishing a team of contractors to execute on client projects. Notable projects include:

- Nitro Snowboards - 2007 to 2011 - Market and sell 1000's of snowboarding gear products in seven languages
- Nitro Photo-files - 2008 to 2011 - Digital Asset Management web app using Ruby on Rails
- Coal Headwear - 2007 to 2011 - Bespoke E-commerce system development, pioneering responsive design in 2008

Microsoft - Web Designer and Developer

2002 to 2006 • Redmond, Washington

I worked with the Microsoft Games and Xbox.com teams to design and develop microsites, web graphics, and animations promoting new games, and Xbox. Our team redesigned xbox.com twice, including information architecture refresh using a user-centered design approach. I led implementation of front-end code after design phases, building the UI on a .Net backend.

Northwave - Web Designer and Developer

2001 to 2002 • Seattle, Washington

I designed and developed three rich-media web sites. Developed a back-office system to distribute sales & support info.

The Art Institute of Seattle - Visual Communications, Web Design & Development

1999 to 2001 • Seattle, Washington

I studied Visual Communication with an emphasis on Web Design, and Web Development