

Technical Skills:

- JavaScript/AngularJS/Backbone
- Node.js/Express/Sails
- API Creation
- MVC Design Pattern
- HTML5/CSS3/Stylus
- Unix System Administration - Linux/OS X
- Source Code Control, Git/Mercurial
- Web Services - REST/SOAP/WSDL
- Functional Reactive Programming - Elm/RxJS/Bacon.js
- Functional Programming - Clojure/Haskell/Underscore/Lodash/Ramda.js
- Object-Oriented Design and Development - Ruby/Java/Objective-C
- Test Driven Development
- Relational Database - MySQL/Informix
- Unit/Functional/End-to-End Testing
- Prototyping - Fast Iteration Development
- Technical Writing
- Courseware Development
- Training

Management Skills:

- Mentoring/Tutoring
- Project Leadership and Management
- Technical Strategy
- Open Allocation Systems
- Client Relations

Job History:

West Corporation, Omaha, NE

January 2015 - Present

Software Contractor

Using JavaScript, SQL and VXML

- Created Interactive Voice Response (IVR) applications using an in-house VXML IDE
- Coded more 100 JavaScript functions for accessing 25+ API's to web services and SQL databases
- Wrote Informix Stored Procedures, tested them on the command line
- Coded JavaScript functions to run these Stored Procedure
- Called the JavaScript functions from the IVR/VXML application
- Mentored less experienced developers in JavaScript and System Development techniques

ILF, Inc., Austin, Texas

May - July 2013

Front-end Developer

Using JavaScript, AngularJS, PHP, MySQL, HTML5, CSS3

- Developed a sophisticated single page application for an online retail website
- Replaced a PHP driven web site with a Responsive UI with AngularJS to display sales data
- Created and implemented a User Interface with drill-down capability
- Data was fetched using an API written in PHP connected to a MySQL database.

Mass Luminosity, Inc., Dallas, Texas

2004 - Present

Business and Technology Consulting

- Provide technology leadership and direction
- Oversee the creation of a specialized messaging system
- Specify the technology stack and assisted with the architecture

The Cyberathlete Professional League, Dallas, Texas

1998 - 2003

Business Consulting

- As consultant to the CEO, guided all technological decisions
- Provided technical sales support

Pizza by Marco, Dallas, Texas

1998 - 2004

Business and Technology Consulting

- Designed the initial online ordering system

NewWorld.com, Inc., Dallas, Texas

1994 - 2004

Technology Consultant

- Startup and communication infra-structure
- Built, setup and managed the company's first web server and mail server
- Created the first web site
- Provided all technology direction

Strongbox Storage, Inc., Omaha, NE

2008 - Present

Technology Consult and Website Development

Julio's Tex-Mex (julios.com), Omaha, NE

1982 - Present

Business and Technology Consulting

- Created the initial spreadsheets for server ticket and tip accounting
- On-going technology advisor

Amrtia University, Amritapuri, Kerala, India

2006-2008

Project Lead and Senior Programmer

Using Ruby, SQL, HTML and CSS

- Developed a simulator for city bus scheduling (telematics) and position tracking.
- The simulator used YAML files to describe scenarios; the scenarios had 4-6 buses making 2-6 stops along 10 mile or longer routes. In addition to simulating buses moving along their routes and stopping at stations, scenarios including contacting other buses in an ad hoc manner. Ad hoc meant that when buses encountered each other, they shared telemetry data; additionally, different hardware in the system had to be emulated such as: the hardware on each bus that had the telemetry data and the hardware at various bus stations used to communicate with the central bus terminal
- Developed the User Interface to an in-house developed card stripe reader
- Used for student and faculty identity cards. The university wanted a new student ID system using "smart cards", in this case cards with magnetic stripes that students and faculty would swipe for access to secure areas of the campus as well as for using the university library and student canteens; the software included functionality that: linked the card readers with a security module and the security module which determined access as well as logging all data to a dashboard for monitoring

PlanetAceTechnology, Austin, Texas 2005-2006

Web Developer and Poker Server Programmer

Using Object-C, Java, JavaScript, AJAX, PHP, SQL, Java, Spring

- Maintained a server process for an online poker site
- Added functionality to the server to support a new communication system
- Designed and developed a new communication system
- For management to communicate with their remote cashiers and support personnel
- Designed and developed AJAX driven web application to show message queues
- Developed using JavaScript without the benefit of a modern library such as jQuery
- The server-side API was written in PHP with a MySQL database
- Modified the poker client, in Java with Spring, to handle alerts and messaging
- Provided the facility for end-users to communicate with the in-game cashiers

AIMS Hospital, San Ramon, California and Kochin, India, 1996-1998

Technology Lead

- Responsible for vendor selection and design for computer and network technology
- Hired and trained the software development staff in Java programming.
- Lectured at trade schools and universities on Java.

Multimedia Learning, Inc., Dallas, Texas, 1990-1994

Co-Founder, Chief Technology & Operating Officer

- Designed and implemented KnowledgeTool in Objective-C
- KnowledgeTool was a computer-based training authoring tool, on and for the NeXT computer
- Hired more than 100 employees
- Managed all technology, operations and accounting staff
- Responsible for all hardware and network selection, deployment and operation.
- Developed distance-learning technologies.

Chaparral Steel, Dallas, Texas, 1988-1990

Software Developer

- Designed and implemented a Sales Support System for the steel mill using C and SQL

Education:

University of Texas, Austin, B.S. Communication, 1974

Computer Platforms:

OS X, iOS, Linux, NeXTSTEP, Windows