Delon R. Newman
SOFTWARE ENGINEER

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I love helping people leverage the power of data and software. I've had the privilege of doing so in various roles for over 20 years. My specialty is working with stakeholders to develop extensible scheduling, workflow, and form systems. I also love teaching and mentoring. Most of my work is in Ruby or JavaScript (though I'm more of a Lisp or Smalltalk hacker at heart). I also enjoy product design, domain modeling, systems programming, integration, automation, working with arcane data formats, and building compilers and interpreters.

SKILLS

Critical Thinking
Creative Problem Solving
Strong Communication
Mentoring & Teaching
Collaboration & Leadership
Application Development
Systems Programming
Databases (SQL, NoSQL)
Software Architecture & Design
Automation
Mathematical Analysis
Polyglot Programming
NLP & ML

TECHNOLOGY

Ruby & Rails
JavaScript & TypeScript
Clojure (ClojureScript)
SQL (PostgreSQL, SQLite, MySQL)
Node.js
React
C
Java
C#
Python
Svelte
Docker
Linux (Debian, Ubuntu, Redhat)
Shell (Bash, Perl)
Git
Zoom
Slack
Github (CR, Actions)
Gitlab (CR, CI)
Jenkins
AWS
Jira

WORK HISTORY

D. R. Newman—Software, Training & Design, Fort Fairfield, Maine
3/2021—Present: Consulting Software Engineer
- Developing an open source, extensible form system with user driven, ad-hoc reporting
- Led the development of a Natural Language Processing service to improve the usability of a client's provider search feature
- Saved an organization hundreds of developer hours by upgrading a legacy application, creating an API and integrating a new UI rather than rewriting the application from scratch
- With no Julia programming experience was able to help a high functioning team improve the quality of their Julia code base and testing which identified a critical production bug
- Contributed Ruby, Java and Clojure bindings to a new open source programming language

University of New Mexico Hospitals, Albuquerque, New Mexico
3/2019—3/2021: Web Analyst III
- Lead engineer on a team of 9
- Was awarded multiple "I Care" awards by teammates & customers
- Led the design, development and integration (across various IT teams) of a system that has become the flagship product of the team used by over 30 clinics throughout the hospital system and a waiting list of many more; saving the organization millions of dollars
- Completed a project within a few months that had been stalled for over 3 years
- Helped organization quickly pivot to remote teams by leading the development of a clean & user-friendly time-tracking application during the pandemic from a very raw prototype that had been previously developed
- Led an experimental project to create a compiler to automate the conversion of legacy applications
- With little mobile programming experience built a well received iPad kiosk app

Various Companies, Connecticut, Hawaii, New Mexico
9/1999—9/2019: Consultant, Freelance Software Engineer & Systems Analyst
- Started at 18 years old writing a data conversion script for my mother's accounting client
- Past clients include the University of New Mexico Hospitals, Central New Mexico Community College, The Department of Veterans Affairs, Time Warner, Master Card and other clients across industries including retail, marketing, health care, education, research, non-profit & manufacturing
- Projects included everything from small websites & applications to system integrations, automation and large multi-tier systems

EDUCATION
Mathematics, Southern Connecticut State University