# DAVID POWERS

Austin, TX 78749 • (325) 660-1151 • dapowers87@gmail.com • [davidpowers.dev](http://davidpowers.dev)

## SR. SOFTWARE ENGINEER

**Software Development • Project Management • Integration & Automation • Cross-Functional Leadership**

Results-driven Software Engineer with demonstrated success designing, developing, implementing, and maintaining complex software solutions. Broad technical knowledge encompassing project leadership, application development, user experience, cloud architecture and product life cycle management. Collaborative leader adept at building and leading multifunctional teams to leverage strengths, negotiate deliverables, and align objectives to deliver scalable software that meets diverse client needs.

### AREAS OF EXPERTISE

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| • Application Development | • Requirements Analysis | • Project Management |
| • Integrated Solutions | • Software Configuration | • Change Management |
| • Call Center Solutions | • Supply Chain Solutions | • Team Leadership |

### PROFESSIONAL EXPERIENCE

**Pitney Bowes, Inc.**                                                                              **Jul 2014 - Present**
**Sr. Software Engineer / Interim Team Lead**
Manage cross-functional teams in the development and distribution of integrated supply chain software solutions, including an automated fulfillment application and parcel sorting software.

- Lead a greenfield project for the design and implementation of a $1 million sorting machine and fulfillment software, collaborating with hardware programmers to integrate the software suite with client sorting machines
- Work closely with the business functions to assess needs and gather specifications from nontechnical colleagues to guide the development of software which controls eight machines nationwide
- Redesigned existing systems into RESTful microservices to full automate and streamline the process which allows clients to create labels with barcode data that is scanned into the Newgistics solution for management
- Served as Interim Team Lead for six engineers during a period of restructuring and significant organizational change

**Mattersight, Inc.**                                                                              **Nov 2011 – Jul 2014**
**Senior Software Developer**
Promoted twice in two years to Senior Software Developer and served as lead developer for a two-phase client project utilizing C# and C++ for big data collection and analysis solutions.

- Collaborated with customers to elicit requirements, define cross-functional workflows, and provide technical expertise
- Developed a scalable solution which spanned six independent applications and served as the sole developer of internal UI tools using WinForms and WPF
- Developed call center software utilized by medical facilities, higher education institutions, and hotels to track agent performance, activity, and productivity

**WolfePak, Inc.**                                                                              **Oct 2010 – Nov 2011**
**Software Developer**
Designed complex software solutions comprised of 3+ million lines of code for the Accounting, Finance, and Oil & Gas industries. Learned the Delphi language quickly and utilized that knowledge to work with Advantage Database Server, Rave Reports, and DevExpress components.

### INDEPENDENT PROJECTS

**Home Automation Design and Implementation**: Used an open source software solution to design a complete home automation system and reverse engineered the system to integrate voice commands through Google Assistant.

**Chicken Coop Automatic Door Controls:** Designed a programmable door using Python and MQTT to enable internet control functionality. Developed system controls using Google Assistant and Alexa to allow for remote monitoring and controls.

### SYSTEMS & TECHNOLOGIES

C# • .NET Core • React • Docker • LINQ • Object Oriented Programming • REST APIs • RabbitMQ • JSON • Javascript/AJAX • Jenkins Git • Python • Dependency Injection • MS-SQL • MongoDB • Linux & Unix • Microservice Architecture • C/C++

### EDUCATION & CERTIFICATIONS

Bachelor of Science (B.S.) in Computer Science • Texas Tech University, College of Engineering • Lubbock, TX • Minor in Mathematics

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