Derek **Homan**

SOFTWARE ENGINEER

Denver, CO

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Summary

Software developer with 5+ years of experience specializing in full stack development, web automation testing, and various other programming projects. The kind of nerd who loves Vim, prefers 2 space tabs over tabs (although doesn't mind other standards as long as everyone is consistent), and runs his own email server because he wanted to make his own email plugin. Interested in tackling new problems and learning unfamiliar technologies and tools whenever possible.

Work Experience

Vendavo (provides pricing optimization software) — Denver, CO

SENIOR .NET DEVELOPER — *June 2018 - Present*

- Ported and Redesigned an existing Silverlight project into React
- Modified, maintained, and expanded functionality of the backend code
- Technologies: React, Redux, C#

CSG International (provides ordering, and CRM products for ISPs) — Omaha, NE

SOFTWARE DEVELOPER ENGINEER SENIOR — *July 2016 - June 2018*

- Implemented unit and automated integration tests
- Provided estimates and implemented new features
- Developed and tested bugfixes and back-ported them in Hotfixes and Patches
- Presented technical talks to coworkers, and provided feedback via Code Reviews
- Technologies: Angular, Redux

idea5 (startup that aggregates data and generates reports for financial institutions) — Omaha, NE

FULL STACK SOFTWARE DEVELOPER — *December 2013 - July 2016*

- Improved slowest page load from 15-30 seconds to 2-3 seconds (by proposing and implementing a microservice) to generate thumbnails instead of live rendering
- Discovered a security flaw of a t4 template exposing sensitive application details such as connection strings
- Designed and implemented micro-services using Docker, Node.js, Elasticsearch, and Windows Azure
- Wrote the payment checkout system utilizing C# and Authorize.net
- Mentored an intern and presented several talks to fellow coworkers
- Technologies: Backbone Marionette, C# ASP.NET, Azure, Docker, Node.js

Nebraska Book Company (online web commerce bookstore) — Lincoln, NE

.NET DEVELOPER — *June 2012 - December 2013*

- Wrote, maintained and tested backend services used to manage orders and inventory
- Gathered requirements and developed specifications for projects involving multiple departments
- Maintained, updated, and documented several legacy programs inherited from other programmers
- Technologies: C# and VB ASP.NET

UCARE, University of Nebraska - Lincoln (embedded devices research group) — Lincoln, NE

RESEARCH ASSISTANT — *May 2010 - May 2012*

- Developed tracking devices (backpacks with sensors and GSMs) for Sandhill cranes as an undergraduate research assistant for Dr. Vuran
- Performed field testing and gathered data
- Wrote drivers for various embedded devices
- Assembled and tested PCB sensor boards
- Technologies: C++, TinyOS

Interact Incorporated (software development for ISPs and call centers) — Lincoln, NE

INTERN — *May 2009 - May 2010*

- Found and fixed a critical issue blocking a project from release caused by bug in third party software (reverted the dependency)
- Designed and implemented flows for automated customer service portals using VXML (Voice XML)
- Worked on a project to automate generation of VXML applications with a GUI
- Technologies: bash, VXML, Java, C++

Phoenix Web Group (web design and hosting company) *Waverly, NE*

DEVELOPER *January 2006 - December 2008*

- Front end design using Photoshop, CSS, and HTML
- Wrote scripts to automate testing web applications
- Developed, designed, and tested web applications
- Made an internal service to generate invoices for customers
- Technologies: C# ASP.NET, HTML, CSS

Skills

Programming	C, C++, C#, Java, LaTeX, Javascript
Web	HTML, CSS, LESS, SASS, Angular, Backbone Marionette, React, Redux, Express
Platforms / Task Runners	Azure, AWS, Docker, Serverless Framework, Ansible, Node.js, gulp.js

Presentation

Nebraska Code *Lincoln, NE*

PRESENTER FOR <A NEWB'S GUIDE TO GETTING STARTED WITH IONIC> *2015*

- Guide on what the Ionic framework (hybird mobile app framework with Angular and Cordova) is and how to make a simple application with it

Education

University of Nebraska - Lincoln *Lincoln, NE*

B.S. IN COMPUTER ENGINEERING *May 2012*

- Got a Regents Scholarship which is given to promising students

Extracurricular Activity

Omaha Coder Dojo *Omaha, NE*

MENTOR *2014*

- Helped 8-12 year olds learn how to code (advice, explainations, trouble shooting, etc)

Side Projects

Personal Email Server

HOMAN.IO

- VPS server hosted on linode running dovecot, roundcube, and apache

Dollar Game Picks (dollargamepicks.com) *Omaha, NE*

CO-FOUNDER *2015-2016*

- Failed startup where we provide predictions on whether or not to bet on the line for NFL games for a dollar and if we are wrong we give you a credit for another prediction
- Wrote the website, Stripe integration, account management / registration, email automation (Sendgrid)
- Technologies: Sequelize, Node.js, Angular, Express

Frigg.io

FOUNDER *2018-present*

- Wedding planning website using text messages to provide info and updates to attendees
- Technologies: Angular, Firebase, Twilio

Hobbies/Miscellaneous

Hobbies	Running, Hiking, Reading, Working on side projects
Favorite Books	Lean Startup, The Pragmatic Programmer, The Design of Design, Getting Things Done, The Art of Happiness
Personel Opinions / Favorites	Git Rebases > Merges, Vim, Visual Studio Code, 2 space tabs (although project consistency trumps preference)