

## EXPERIENCE

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- **FullContact Inc**  
*Software Engineer II* *July 2017 - Present*
  - Migrated microservices architecture from Amazon ASGs to Docker/Kubernetes
  - Created a classifier for determining the organization/department for a job title
- **Josh.ai**  
*Software Engineer* *June 2015 - July 2017*
  - Created Python/Flask full stack solution for interfacing with home automation system, deployed to Heroku
  - Created Android client for communicating with home automation system over a WebSocket
  - Wrote C++ for LAN based device integrations and control
  - Ported C++ codebase from being macOS specific to run on generic Linux
- **Northrop Grumman Corporation**  
*DevOps Engineer (former TS/SCI)* *June 2014 - June 2015*
  - Wrote Python/Ruby scripts for system monitoring across 40+ virtualized hosts on a secured network
  - Configured Apache reverse proxy for backend user PKI authentication
  - Automated silent installation of COTS products for live deployments saving hours of manual labor
- **University of Colorado, Colorado Springs**  
*Student Web Developer/Research Assistant/Teaching Assistant* *January 2013 - December 2015*
  - Wrote perl/MSSQL/HTML5 full stack site to render class schedule
  - Ported various websites from Serena CMS to Ingeniux CMS
  - Researched reverse proxy implementations for NSF funded CS/Psychology joint research involving phishing
  - TA for Software Engineering I. Graded assignments, held office hours for Ruby on Rails projects and assignments
- **Northrop Grumman Corporation**  
*Software Engineer Intern* *Summers of (2011 - 2013)*
  - (2013) Wrote Java/JavaFX plug-in for real time histogram and scatter plot for Eclipse RCP intelligence tool
  - (2012) Integrated nmap and metasploit into C# tool for one click exploitation of virtualized systems
  - (2012) Created network visualization of local virtual network which included OS/network information
  - (2011) Created C# tool to traverse Twitter user graphs for calculating centrality of users

## PROJECTS

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- **Multiple Choice AI:** Java/Dropwizard service that uses semantic word vectors to answer multiple choice questions
- **SummaryBox:** Java/Dropwizard/OpenNLP service summarizes raw text into its most important topics
- **ColoradoGeekJobs:** Mongo/Express/React/Node job board for technology jobs in Colorado
- **Sudoku Solver:** C program that uses BFS, DFS, and Dijkstra's algorithm to solve sudoku puzzles
- **CircleTap:** Android game build with Unity which used Google Play leader boards and Google AdMob
- **Rank tracker:** Python scraper that sent SMS updates for a local 8-ball league
- **Macro engine:** C# application that simplified making Win32 API calls to automate keyboard and mouse usage. Scripts could be transpiled into independent C# applications for quick distribution

## OTHER TECHNOLOGY

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- AWS, Cassandra, Heroku, CircleCI, Jenkins, Kafka, Travis, MySQL, PostgreSQL, Redis