# Jonathan Price

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## Skills

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| Skill Areas | Web Development, Serverless Architecture Real-Time Programming, Automation, Data Analysis, Relational Databases, Test Driven Development, Object Oriented Programming, Functional Programming, |
| Languages | JavaScript, Python, Go, C, C++, Java, Bash, PHP, R, SQL, HTML, SVG, CSS, Haskell, OCaml, Clojure |
| Technologies | React, Vue, GraphQL, REST APIs, PostreSQL, MySQL, MongoDB, Electron, AWS, Git, Linux, Jenkins |

## Work Experience

**Nov 2017 – Present**
**Software Engineer**, *Gourmet Tech, Inc.*, San Jose, CA.
- Employee #1 at web infrastructure startup currently in stealth mode
- Developing isomorphic web applications and deploying on both AWS Elastic Beanstalk & AWS Lambda.
- TECHNOLOGIES USED: JavaScript, NodeJS, React, Vue, Electron, AWS (Lambda, Elastic Beanstalk, DynamoDB, CloudFormation) MongoDB, Go, Functional Programming, Server-side rendering, Serverless framework

**Oct 2016 – Nov 2017**
**Software Engineer**, *The Boeing Company*, St. Louis, MO.
- Developed real-time, distributed software for aircraft training simulator.
- Performed peer reviews of code; conceived and presented designs at design reviews.
- Created Jenkins jobs for packaging and deployment.
- Developed tools to generate metrics of development progress and to aggregate Git commits by task.
- Improved trainer response time by implementing caching of simulation scenario files.
- TECHNOLOGIES USED: Test-Driven Development, Inter-Process Communication, Python, C, C++, Git, GDB, Eclipse, Visual Studio, Packet analysis with Wireshark, REST APIs, Google Test

**May 2015 – Aug 2015**
**Software Developer Intern**, *IBM*, Lenexa, KS.
- Identified classes build errors likely to be automatically resolvable.
- Created Jenkins jobs to automatically restart the applicable failing builds.
- Wrote scripts to aggregate disk space and up time of all Unix build nodes, covering five operating systems.
- Designed and implemented a web dashboard with an error classification rule editor.
- TECHNOLOGIES USED: Continuous Integration, Jenkins, JavaScript, HTML, CSS, Bash scripting, Perl, Groovy

**Aug 2014 – Dec 2014**
**Research Assistant**, *University of Missouri*, Columbia, MO.
- Prototyped a web application to enable crowd-sourced labeling of hyperspectral satellite imagery. These labels could then be used to train the supervised learning algorithm which the lab was developing.
- TECHNOLOGIES USED: JavaScript, SVG, HTML/CSS, Machine Learning

**Jun 2014 – Jul 2014**
**Research Intern**, *University of Missouri*, Columbia, MO.
- Gathered, formatted, and filtered large genomic datasets using Unix shell and Perl scripts.
- TECHNOLOGIES USED: Bash scripting, Perl, data analysis, bioinfomatics

**Jun 2013 – Aug 2014**
**Research Assistant**, *University of Missouri*, Columbia, MO.
- Developed a mathematical framework for characterizing dynamic networks.
- TECHNOLOGIES USED: Mathematical modeling, Network science, Genetics and Proteomics

**Aug 2013 – Dec 2013**
**Mathematics Tutor**, *University of Missouri*, Columbia, MO.
- Tutored Calculus one-on-one by appointment.

**Jan 2012 – May 2012**
**Mathematics and Supplemental Instruction Tutor**, *San Diego City College*, San Diego, CA.
- Provided both one-on-one and group tutoring in mathematics up to Calculus II.
- Proctored exams and assisted students with practice problems during classwork period.
- Graded homework and in-class assignments.
- Organized and led study groups of 3-8 students.

## Education

**May 2016** — **Truman State University**, *Bachelors of Science*, *Computer Science*.